



MEETING NOTICE & AGENDA

Please be advised that the River to Sea Transportation Planning Organization (R2CTPO) **BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE (BPAC)** will be meeting on:

DATE: Wednesday, February 12, 2020

TIME: 2:00 P.M.

**PLACE: River to Sea TPO
2570 W. International Speedway Blvd.,
Suite 100 (Conference Room)
Daytona Beach, Florida 32114-8145**

Mr. Paul Eik, Chairperson

AGENDA

- I. CALL TO ORDER/ROLL CALL/DETERMINATION OF QUORUM/PLEDGE OF ALLEGIANCE**
- II. PUBLIC COMMENT/PARTICIPATION** *(Length of time at the discretion of the Chairperson)*
- III. ACTION ITEMS**
 - A. REVIEW AND APPROVAL OF THE JANUARY 8, 2020 BPAC MEETING MINUTES**
(Contact: Debbie Stewart) (Enclosure, pages 4-13)
 - B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2020-## AMENDING THE FY 2019/20 – 2023/24 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**
(Contact: Stephan Harris) (Enclosure, pages 14-17)
 - C. REVIEW AND RECOMMEND APPROVAL OF REVENUES AND TASKS FOR DEVELOPMENT OF THE DRAFT FY 2020/21 AND 2021/22 UNIFIED PLANNING WORK PROGRAM (UPWP) FOR SUBMISSION TO FDOT/FHWA** *(Contact: Stephan Harris) (Enclosure, pages 18-24)*

III. ACTION ITEMS *(continued)*

- D. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2020-## UPDATING THE TRANSPORTATION SAFETY PERFORMANCE TARGETS** *(Contact: Crystal Mercedes) (Enclosure, pages 25-28)*
- E. APPOINTMENT/REAPPOINTMENT OF 2020 BPAC PROJECT REVIEW SUBCOMMITTEE MEMBERS** *(Contact: Stephan Harris) (Enclosure, page 29)*
- F. APPOINTMENT/REAPPOINTMENT OF 2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) SUBCOMMITTEE MEMBERS** *(Contact: Colleen Nicoulin) (Enclosure, page 30)*

IV. PRESENTATIONS AND DISCUSSION ITEMS

- A. PRESENTATION AND DISCUSSION OF THE DEVELOPMENT OF THE 2045 LONG RANGE TRANSPORTATION PLAN (LRTP)** *(Contact: Colleen Nicoulin) (Enclosure, page 31)*
- B. PRESENTATION AND DISCUSSION OF 2020 “TELL THE TPO” SURVEY CAMPAIGN** *(Contact: Pamela Blankenship) (Enclosure, page 32)*
- C. PRESENTATION AND DISCUSSION OF RESOLUTION 2020-## AUTHORIZING THE EXECUTION OF A SUPPLEMENTAL AGREEMENT TO THE METROPOLITAN PLANNING ORGANIZATION (MPO) AGREEMENT FOR THE USE OF TRANSPORTATION PLANNING (PL) AND URBAN ATTRIBUTABLE (SU) FUNDS AND AMENDING THE FY 2018/19 – 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP)** *(Contact: Stephan Harris) (Enclosure, pages 33-44)*
- D. PRESENTATION AND DISCUSSION OF RESOLUTION 2020-## AUTHORIZING THE DE-OBLIGATION OF TRANSPORTATION PLANNING (PL) AND URBAN ATTRIBUTABLE (SU) FUNDS FOR THE CURRENT FEDERAL FISCAL YEAR** *(Contact: Stephan Harris) (Enclosure, pages 45-46)*
- E. PRESENTATION AND DISCUSSION OF SEA LEVEL RISE PLANNING HORIZONS AND PROJECTIONS** *(Contact: Stephan Harris) (Enclosure, pages 47-64)*

V. STAFF COMMENTS *(Enclosure, page 65)*

→ 2020 Priority Process Schedule

VI. INFORMATION ITEMS *(Enclosure, pages 65-73)*

- BPAC Attendance Record
- January 2020 TPO Outreach & Activities
- TPO Board Meeting Report

- 2045 LRTP Subcommittee Report
- 2045 LRTP Survey

VII. BPAC MEMBER COMMENTS *(Enclosure, page 65)*

VIII. ADJOURNMENT *(Enclosure, page 65)*

******The next meeting of the BPAC will be on Wednesday, March 11, 2020******

NOTE: Individuals covered by the Americans with Disabilities Act of 1990 in need of accommodations for this public meeting should contact the River to Sea TPO office, 2570 W. International Speedway Blvd., Suite 100, Daytona Beach, Florida 32114-8145; (386) 226-0422, extension 20416, at least five (5) working days prior to the meeting date.

NOTE: If any person decides to appeal a decision made by the board with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings including all testimony and evidence upon which the appeal is to be based. To that end, such person will want to ensure that a verbatim record of the proceedings is made.

NOTE: The River to Sea TPO does not discriminate on the basis of race, color, national origin, sex, age, religion, disability and family status. Those with questions or concerns about nondiscrimination, those requiring special assistance under the Americans with Disabilities Act (ADA) of 1990, or those requiring language assistance (free of charge) should contact Pamela Blankenship at 386.226.0422 or pblankenship@r2ctpo.org.

**SUMMARY SHEET
BPAC
FEBRUARY 12, 2020**

III. ACTION ITEMS

A. REVIEW AND APPROVAL OF THE JANUARY 8, 2020 BPAC MEETING MINUTES

BACKGROUND INFORMATION:

Minutes are prepared for each meeting and must be approved by the BPAC. The January 8, 2020 BPAC meeting minutes are provided with this agenda packet for your review.

ACTION REQUESTED:

MOTION TO APPROVE THE JANUARY 8, 2020 BPAC MEETING MINUTES

Bicycle/Pedestrian Advisory Committee (BPAC)
Meeting Minutes
January 8, 2020

Members Present:

Doug Hall
Joan Sandler
Ted Wendler
Paul Eik, Chairperson
Larry Coletti, Vice Chairperson
Ned Wolfarth
Nic Mostert
Bob Storke
Gayle Belin
Andrew Dodzik
Christy Gillis
Patrick McCallister
Nancy Burgess-Hall
Chris Daun
Jason Aufdenberg

Representing:

Daytona Beach
DeBary
DeLand
Flagler Beach
Flagler County
Holly Hill
New Smyrna Beach
Orange City
Ormond Beach
Palm Coast Alternate
South Daytona
Volusia County, District 1
Volusia County, District 2
Volusia County, District 2 Alternate
Volusia County at Large Alternate

Non-Voting Technical Appointees Present:

Stephanie Moss
Wendy Hickey
Gwen Perney
Melissa Winsett

Representing:

FDOT
Flagler County
Port Orange
Volusia County

Members/Technical Appointees Absent:

Scott Leisen
Heidi Petito
Jeff Martindale
Rob Brinson
John Cotton

Representing:

Deltona
Flagler County Public Transportation
Port Orange
Volusia County School Board
Votran

Others Present:

Pam Blankenship, Recording Secretary
Stephan Harris
Colleen Nicoulin
Lois Bollenback
Crystal Mercedes
Kimberly Dixon
Heather Grubert
Robert Maglievaz
Deepika Fields
Melissa Winsett

Representing:

TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
Daytona Beach
FDOT
Florida Department of Health
Stantec Engineering
Volusia County Traffic Engineering

I. Call to Order / Roll Call / Determination of Quorum / Pledge of Allegiance

The meeting of the River to Sea Transportation Planning Organization (TPO) Bicycle/Pedestrian Advisory Committee (BPAC) was called to order at 2:00 p.m. by Chairperson Paul Eik. The roll was called and it was determined that a quorum was present.

II. Public Comment/Participation

There were no public comments.

III. Action Items

A. Review and Approval of November 13, 2019 BPAC Meeting Minutes

MOTION: *A motion was made by Mr. Storke to approve the November 13, 2019 BPAC meeting minutes. The motion was seconded by Mr. Coletti and carried unanimously.*

B. Review and Recommend Approval of Resolution 2020-## Supporting Alternative #3 (Cloverleaf #2) of the I-95 and Pioneer Trail Project Development & Environment (PD&E) Study

(Handout)

Ms. Heather Grubert, FDOT Project Manager, gave a PowerPoint presentation of the I-95 and Pioneer Trail Interchange. She stated FDOT just completed the value engineering study for this project; the purpose is to apply common sense and technical knowledge directed at funding and eliminating unnecessary costs on the project. She reviewed the five-step process and stated they are currently in the second step which is the project development and environment (PD&E) study where they will determine a feasible alternative for a new interchange. The next steps are design, right-of-way acquisition and construction. She reviewed the purpose and need of the project and stated this project is included in the TPO's List of Priority Projects (LOPP). They held two public meetings and received feedback; support was received for having another interchange access and for enhancing emergency evacuations. The opposition received regarded increased traffic on Pioneer Trail as well as environmental impacts. They also received comments regarding widening Pioneer Trail and the need for sidewalks and bike lanes. She reviewed the three alternatives for the interchange and stated a "no-build" alternative was also considered. The majority of public input supports Alternative 3 which is the partial cloverleaf #2. They expect to hold another public hearing in the spring of 2020. She reviewed the schedule and stated they expect to have federal approval in the summer of 2020.

Mr. Mostert stated he attended the public meeting in 2018 and there was concern about impacts to the Doris Leeper Preserve on the northeast side; he asked if there were any issues or anticipated impacts.

Ms. Grubert replied they will be impacting some wetlands; this is a federal project so they have to meet the water management district criteria. They will be resolving any impacts; this is the PD&E study and they are required to review all the environmental impacts as part of it. They are following all the rules and standards required.

Mr. Aufdenberg asked if the supporting documents were available online.

Ms. Grubert replied not yet; the reports are still under review. It will be available prior to the public meeting in March.

Mr. Aufdenberg asked if the level of service was just for motorists.

Ms. Grubert replied yes, it is just traffic.

Mr. Daun commented the Williamson Boulevard intersection at Pioneer Trail is adjacent to the interchange and asked if they foresee considerable traffic trying to access the interstate and if there are any traffic pattern studies to accommodate that.

Ms. Grubert introduced Ms. Deepika Fields, Traffic Engineer with Stantec Engineering, to answer his question.

Ms. Fields stated they reviewed an extensive area from Pioneer Trail north to Dunlawton Avenue and south to SR 44. They have recommendations along Pioneer Trail to accommodate vehicles that want to get on and off

the ramps to I-95. They proposed double left-turn lanes. Williamson Boulevard was studied separately and recently widened so they did not see any issues there with future traffic.

Mr. Daun asked if they foresee considerable congestion around the traffic signals in the future.

Ms. Fields replied the level of service for the future is "C" or better based on the projected numbers twenty years in the future.

Mr. Mostert commented his concern is Pioneer Trail; he foresees the area around the Cabbage Patch Bar and SR 44 to be an issue.

Ms. Grubert replied they are aware of that and have made Volusia County aware of the need for Pioneer Trail to be widened. It was on the list of projects from the proposed half-cent sales tax that did not pass. There is no status yet as to that project.

Mr. Harris stated the TPO completed a feasibility study several years ago for a trail along Pioneer Trail through this PD&E study area; he asked how they would accommodate a trail in their study.

Ms. Grubert replied all they show is an eight-foot sidewalk; they are not showing a trail. They met with the county and the sidewalk is all the county wanted.

Mr. Harris asked if they met with the City of New Smyrna Beach.

Ms. Fields replied they have forwarded the plans and concepts to comment on.

Mr. Harris asked if a trail had come up during the public meetings.

Ms. Grubert replied no, but she will contact the city and discuss it.

Chairperson Eik referred to the public hearing in the spring and asked where and when it will be.

Ms. Grubert replied it will be March 31, 2020 at the Brannon Center in New Smyrna Beach. The BPAC will be notified when everything is finalized.

Mr. Harris asked if there are any other accommodations for bicycles and pedestrians this PD&E study addressed.

Ms. Grubert replied they are providing sidewalks on both sides; typically, five-foot is normal but they are doing eight-foot on the north side.

Ms. Burgess-Hall if the signalized intersections included crosswalks with accessible pedestrian signals (APS).

Mr. Grubert replied yes; they will include the latest standards.

Mr. Daun commented that he is confused as to why the BPAC's input was needed because this project supports urban sprawl and there is no component for trails or bicycle/pedestrian safety as part of the comprehensive plan for the interchange.

Chairperson Eik replied the presentation is comprehensive and included information regarding sidewalks and the ability to cross the road safely.

Mr. Mostert stated he reads this as confirming support for the locally preferred alternative of the interchange.

Chairperson Eik replied correct; this is the preferred alternative of three options.

MOTION: *A motion was made by Mr. Mostert to recommend approval of Resolution 2020-## supporting Alternative #3 (#2 Cloverleaf) of the I-95 and Pioneer Trail PD&E study. The motion was seconded by Mr. Storke and carried unanimously.*

IV. Presentation and Discussion Items

A. Presentation and Discussion of Revisions to US Bicycle Route 1 Through Volusia County

Mr. Harris stated US Bicycle Route 1 was approved in 2014 in Florida; it is one of three or four bicycle routes in Florida. It starts in Key West at Mile Marker 0 and travels north paralleling US 1 and SR A1A to Jacksonville and the Georgia/Florida state line. The BPAC has been asked to provide feedback to changes to US Bicycle Route 1 in Volusia County. He showed a video regarding the US Bicycle Route 1.

Mr. Kerry Irons, Adventure Cycling Association, gave an overview via telephone of the Adventure Cycling Association. He stated it is a 50,000 member national non-profit organization whose mission is to inspire, empower and connect people to travel by bicycle. He gave background information regarding the organization; they work with the American Association of State Highway and Transportation Officials (AASHTO) as technical support to create the US Bicycle Route System which is a bicycle equivalent of the highway system. In 2014, FDOT created two routes in Florida, US 90 which traverses the panhandle to Alabama and US 1, following the Atlantic Coast. FDOT did not have the resources to contact local agencies to use non-state highways for the route so they used all state highways. They are proposing a project with FDOT and Bike Florida to move segments of the route off state highways onto quieter city and county streets and trails where appropriate. They are working with each community along the route asking for their support. In order for FDOT to move parts of the route onto non-FDOT roads they need the support of each local agency. The support can be indicated by a letter or a resolution. He has contacted each of the relevant agencies within Volusia County and the county to give them the needed information, a link to the map and the proposed roads to be used.

Mr. Aufdenberg asked how the Atlantic route matches up with the East Coast Greenway which is locally part of the St. Johns River to Sea Loop.

Mr. Irons replied the East Coast Greenway match is nearly perfect with a few small exceptions. The St. Johns River to Sea Loop is in St. Johns County and they are working with them as well using parts of it for US Bicycle Route 90; south of St. Augustine it is mostly SR A1A.

Mr. Aufdenberg stated the St. Johns River to Sea Loop goes through five counties and is a 270-mile loop that includes St. Johns County and is west of St. Augustine.

Mr. Irons replied the challenge is there are gaps. AASHTO, the federal agency responsible for this, is not going to designate a bicycle route on a planned facility. Once planned facilities are completed, FDOT can re-align the route. The rule of thumb is if the construction contracts have been let then AASHTO is willing to include that facility in a route. A facility under construction will not be included in a US bicycle route because it does not yet exist.

Mr. Harris asked what the revisions to US Bicycle Route 1 will be.

Mr. Irons walked the BPAC through the route proposal.

Discussion continued.

Mr. Harris asked if the TPO has a recommendation for a change if it would go to FDOT, who would then make a recommendation to AASHTO for designation or changes in the designated work.

Mr. Irons replied that is one way it could work; Adventure Cycling is the technical support to AASHTO and works with the state DOTs on these projects. They have a good working relationship with FDOT and could make the recommendation. Likewise, Volusia County, a local city or the TPO could make a recommendation.

Discussion continued regarding the proposed routes.

Mr. Irons stated he has been in contact with the cities and looks forward to seeing supporting documents sent to FDOT. The next step is to get the specific changes and incorporate those into the route.

Mr. Mostert asked if a meeting would be held to solicit ideas brought up during this discussion.

Mr. Harris replied this is a presentation and discussion of the concepts; action can be scheduled at a future BPAC meeting. Adventure Cycling needs a resolution from the jurisdiction that owns and maintains the roadway; whether it is Volusia County or a city. The TPO must coordinate its efforts with those communities as it does not want to recommend something that is at odds with the local community. This item is making its way through the city commissions and councils at the local level and will be brought back in a few months to see where the locals stand.

Discussion continued.

Mr. Harris asked the BPAC how it wants the TPO to move forward.

Mr. Daun suggested a workshop; this project is not only the US Bicycle Route 1 but also part of the East Coast Greenway, St. Johns River to Sea Loop Trail, and SunTrail. It is important to have a major trail go through our communities. The gap in Flagler Beach that Mr. Coletti mentioned is an impediment as well as other issues in Flagler Beach, Flagler County, Volusia County, Port Orange and New Smyrna Beach.

Mr. Harris replied the changes proposed to the US Bicycle Route 1 are only in Volusia County.

Discussion continued.

B. Presentation and Discussion of the Draft FY 2020/21 and 2021/22 Unified Planning Work Program (UPWP)

(Handout)

Ms. Bollenback stated the Unified Planning Work Program (UPWP) is the two-year work program the TPO staff follows. The existing UPWP and previous UPWPs have between \$1.5 and \$2 million of available funding. The TPO receives funding from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) as well as state, local and SU funding. The TPO considers the available funding and identifies projects to undertake over a two-year period. Mr. McCallister represented the BPAC on the UPWP Subcommittee which reviewed and recommended updates. She reviewed the funding for year one and year two as well as recommended the tasks and deliverables in the UPWP.

Mr. Daun commented he is happy to see heat maps being used to identify crash hot spots but his concern is there has been conflict about data sources for crashes; the TPO uses Signal 4 Analytics and he believes there should be some outreach through the Technical Coordinating Committee (TCC) to public safety and the cities to have everyone use the same data source. He does not see this as an outreach project; if everyone used the same data source it would make discussions more productive.

Ms. Bollenback asked if he would be comfortable if that was part of the review and analysis of crash data.

Mr. Daun replied either that or as part of the public outreach and information.

Ms. Bollenback replied that public outreach is primarily Ms. Blankenship's activities; engaging the public, informing them about what the TPO is doing and gathering information. Crash data would typically fall under the planning staff. When reviewing and analyzing the crash data, TPO staff will be meeting with the local jurisdictions and discussing.

Mr. McCallister stated when looking at crash data, particularly with pedestrians and bicyclists, researchers should bear in mind that there is a built-in bias of people avoiding certain intersections out of concern for their safety. A pedestrian or bicyclist is more likely to make the safe choice than the convenient or fast choice. It is hard to address but we need to keep it in mind. He referred to the proposed before and after studies for specific projects and accessible pedestrian signals (APS) and commented that there is the potential for bias. The more people with disabilities use that intersection means more potential entanglement with traffic; therefore, a study could show an opposite effect.

Ms. Bollenback replied the study will address all modes of transportation.

Mr. Aufdenberg referred to resiliency and asked if there are other government funds that can be accessed such as emission targets or bigger issues to do with climate crisis, etc.

Ms. Bollenback replied she sat on a statewide panel that discussed resiliency and resiliency efforts and asked the same question. We can continue to integrate that into our conversations and suggested committee members bring it up every time they have a chance as the TPO Board listens to the advisory committees. Mr. Harris is continuing to work with the Regional Planning Council (RPC) on their efforts for a regional collaborative. Yes, there are grant funds; the TPO wants to assemble a grants resource list for us and for TPO members.

Discussion continued.

Mr. McCallister stated he wants to be certain we reach out to the necessity cyclists as well as the luxury riders such as college students that bike to school and work. People who ride the trails are advocates for trails and know how to talk to elected officials; people in community redevelopment areas are not as likely to do that. Community redevelopment areas usually have boards which is one avenue for public outreach to see what that community may need in terms of bicycle and pedestrian facilities.

Mr. Harris replied a time for that outreach to occur will be with the upcoming 2045 Long Range Transportation Plan (LRTP); the TPO will be holding public meetings to collect that type of information as well as issuing a survey. The "Tell the TPO" survey will also take place this year.

Discussion continued regarding the tasks and deliverables for the new UPWP.

Ms. Bollenback stated the next step is to present a draft list of activities and funding to support it in February; the TPO must submit a draft UPWP to FDOT for review by March 15, 2020 and the final document will be adopted in May.

Mr. Daun commented that there are public schools that have been here for years that are suddenly determining they need sidewalks; he asked how we can create a better planning system for children to get safely to and from school when the school is being built or reviewing the existing schools.

Ms. Bollenback replied that Mr. Harris's program reviewed every elementary and middle school in our planning area for safe access; the TPO will now review the charter schools. There are school board representatives on all the committees and TPO Board; staff tries to coordinate with them as much as possible. The challenge is after a study is completed, circumstances may change due to development in the area.

Discussion continued regarding the school safety studies.

C. Presentation and Discussion of the Development of the 2045 Long Range Transportation Plan (LRTP)

(Handout)

Ms. Nicoulin referred to the handout of the revenue forecast for the 2045 Long Range Transportation Plan (LRTP) which is used to define funding that will be reasonably available as the LRTP is developed. The revenue forecast is developed by FDOT and it provides a consistent forecasting pattern for revenues used by all MPOs

throughout the state. She reviewed the handout of the forecast showing projected state and federal revenues. She explained how the forecast revenues were developed. The needs we have will far outweigh the amount of funding available. She reviewed the Strategic Intermodal System (SIS) projects included in FDOT's cost feasible plan.

Mr. Aufdenberg asked for confirmation that there is \$1.6 billion in costs but only \$872 million in funding for SIS projects.

Ms. Nicoulin replied that is just for SIS facilities; there are also projects on Non-SIS roads that are off the state highway roads. The revenues do not equal the needs we have. She continued to review the local revenues projected.

Mr. Daun commented he is concerned that we are not tracking bond issues at the local level and the current capacity issues we have. The local governments claim the gas tax is not sufficient to maintain existing infrastructure; it would be nice to know what they are doing for present and future capacity maintenance.

Ms. Nicoulin reminded members that this is currently a draft; a financial scenario is also being developed as part of the LRTP to look at different options. Those are currently in development and will be brought before the 2045 LRTP Subcommittee for review and refinement. She reviewed the projected transit revenues and stated these dollars are identified to keep the system working and not for new routes. She announced members are welcome to attend the 2045 LRTP Subcommittee meeting on January 21, 2020.

D. Presentation and Discussion of Updated Safety Data and Targets

Ms. Mercedes gave a PowerPoint presentation of updated safety data and transportation performance measure targets for 2020. She reviewed the number of fatalities, serious injuries, and non-motorized fatalities and serious injuries for the last five years of data (from Signal 4 Analytics) of crashes with which the five-year rolling average was calculated. The safety performance targets are based on a 2% reduction of crashes for our planning area.

Ms. Belin asked if the data considered the uptick in population.

Ms. Mercedes replied indirectly; the data is what it is. The fatality rate for 2019 and 2020 is a direct calculation based on the last available information.

Mr. Aufdenberg asked if it would make more sense to base the reduction off a five-year mean instead.

Ms. Mercedes replied it is a matter of opinion; this was calculated at a 2% reduction from the last available information. There was a significant drop in fatalities for 2018.

Mr. Daun asked if the data was only for vehicular crashes or all fatalities.

Ms. Mercedes replied it is for all deaths. She reviewed the data and targets for serious injuries and non-motorized fatalities and serious injuries.

Mr. Daun asked how this data compares to the study that puts us at #1 for bicycle and pedestrian fatalities. He does not see a correlation between the data presented for 2019 based on 2018 that put us at number one for fatalities. We were rated by other data sources that ranked us high; this data should parallel that.

Ms. Mercedes replied the 2019 data is not official yet. This information was not developed with a comparison in mind; it is what our numbers are for 2018 in our planning area and what our target is based on a 2% reduction. FDOT's target is Vision Zero and while the TPO supports FDOT, the TPO's targets are based on an independent target of a 2% reduction in each category. She continued to review the data and targets.

Mr. Mostert asked what specific strategies will the TPO be employing to achieve these targets.

Ms. Bollenback replied this is something that has been put in place across the country; we have to measure and target. The targets must improve the situation and we must link decision making to achieving these targets. The TPO has updated its applications for the annual Call for Projects to ensure safety is a part of the application process and developed the Community Safety Action Plan (CSAP) to try to influence behavior. Crashes are not as much engineering as they are behavior. Last year, a crash analysis was completed on segments and intersections and the TPO is working with FDOT and project sponsors to implement recommendations from that study and other studies. FDOT must report on a state level; they are doing a number of analyses and looking at some changes also.

Discussion continued.

Ms. Belin asked if any analysis has been done as to whether the drivers or victims were residents or tourists and their ages.

Ms. Mercedes replied that has not been done here but it can be looked into depending on our resources.

Mr. Daun commented other data he would be interested to see for non-motorized crashes is if alcohol is involved.

Ms. Mercedes replied she knows from law enforcement that data is not always reliable. For developing the safety targets it was based on the actual numbers and not the causing factors.

V. Staff Comments

→ 2020 R2CTPO Annual Call for Projects

Mr. Harris announced the annual Call for Projects will open this month and remain open through the end of March. He will have more information next month.

Mr. Harris stated at the last BPAC meeting information was requested regarding the accessible pedestrian signals (APS) in South Daytona; he has started the inquiries but has not yet received any responses. He hopes to have an update at the next meeting.

Mr. Harris stated a Transportation Improvement Program (TIP) amendment was sent to the TPO to add funding for sidewalks in the Derbyshire Park area. This project was on Tier B of the priority list and the TPO was able to program it for construction and construction, engineering and inspection (CEI). However, the TIP amendment was not received in time for the BPAC to take action on it so it will be back next month for a recommendation of approval.

VI. Information Items

- 2020 River to Sea TPO Board and Committee Meeting Schedule
- 2045 LRTP Subcommittee Report
- BPAC Attendance Record
- November and December Outreach and Activities
- TPO Board Meeting Report
- UPWP Subcommittee Report

VII. BPAC Member Comments

Mr. Aufdenberg stated Embry Riddle Aeronautical University (ERAU) held their orientation on Monday where he passed out approximately ten of the 2019 Bicycle Suitability Maps. The bike light giveaway was cancelled in the fall but they will be doing it next week for ERAU students that ride bikes to class. He recently rode his bicycle for the first

time on the Daytona International Speedway; he participated in Pro Am Relay. He rode 13.5 miles and achieved 16 miles per hour (mph).

Ms. Burgess-Hall stated at the TDLCB meeting this morning it was announced that it looks like Votran may be getting a bus stop at the Tanger Outlet Mall; it has to go to the Volusia County Council for approval first. It will be Route 11 which is on Williamson Boulevard. She announced the roundabout at SR A1A and International Speedway Boulevard will be discussed at a public meeting on January 30, 2020 at the Schnebly Center on SR A1A from 5:30 pm to 7:30 pm.

Ms. Winsett referred to the Pioneer Trail and I-95 interchange and stated Volusia County is monitoring the traffic in that area; there is no funding to widen Pioneer Trail at this time. They had planned to pursue that project with funds from the sales tax which did not pass. The county is looking to potentially partner with developers; they are also looking at Williamson Boulevard. With this new interchange, Port Orange should see a reduction in traffic in the Taylor Road/Dunlawton Avenue area.

Ms. Moss announced the public meeting regarding the roundabout at SR A1A and International Speedway Boulevard on January 30, 2020 has been cancelled. There is no information on a rescheduled date; Ms. Vickie Wyche is working on that and will inform the TPO when the information is available.

Mr. Harris asked why the meeting was cancelled.

Ms. Moss replied there were scheduling conflicts so FDOT decided to reschedule so the entire community would be able to attend.

Mr. Dodzik referred to an accident in Brevard County that involved a little girl in a marked crossing with yellow flashing lights; yellow lights typically means "caution" so they are looking to replace them with red flashing lights so drivers are more prepared to stop. He thinks they are looking for support to submit the project to FDOT.

Mr. Daun referred to page 11 of the minutes from the November 13, 2019 BPAC meeting and requested Mr. Harris contact Mr. Steve Olsen, FDOT, for FDOT's Vision and Mission pamphlets to distribute at the February BPAC meeting.

VIII. Adjournment

The BPAC meeting adjourned at 4:28 p.m.

River to Sea Transportation Planning Organization

**Mr. Paul Eik, Chairperson
Bicycle/Pedestrian Advisory Committee (BPAC)**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certifies that the foregoing is a true and correct copy of the minutes of the January 8, 2020 regular meeting of the Bicycle/Pedestrian Advisory Committee (BPAC), approved and duly signed this 12th day of February 2020.

**Debbie Stewart, Recording Secretary
River to Sea Transportation Planning Organization**

**SUMMARY SHEET
BPAC
FEBRUARY 12, 2020**

III. ACTION ITEMS

B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2020-## AMENDING THE FY 2019/20 – 2023/24 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

BACKGROUND INFORMATION:

The proposed amendment for the FY 2019/20 – 2023/24 Transportation Improvement Program (TIP) adds Construction and Construction Engineering & Inspection (CEI) Funds for the Derbyshire Park Sidewalks, Phase 1 Project (FM #443236-1). The limits of the sidewalks are:

1. Vine Street to Nova Road (SR 5A)
2. Brentwood Street to 5th Street

Resolution 2020-## and Attachment “A” are provided with this agenda packet for your review.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2020-## AMENDING THE FY 2019/20 – 2023/24 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2020-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
AMENDING THE FY 2019/20 TO FY 2023/24
TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

WHEREAS, the River to Sea Transportation Planning Organization (TPO) is the duly designated and constituted body responsible for carrying out the urban transportation planning and programming process for Volusia County and portions of Flagler County inclusive of the cities of Flagler Beach, Beverly Beach and portions of Palm Coast and Bunnell; and

WHEREAS, Florida Statutes 339.175; 23 U.S.C. 134; and 49 U.S.C. 5303 require that the urbanized area, as a condition to the receipt of federal capital or operating assistance, have a continuing, cooperative and comprehensive transportation planning process that results in plans and programs consistent with the comprehensively planned development of the urbanized area; and

WHEREAS, the River to Sea TPO shall annually endorse and amend as appropriate, the plans and programs required by 23 C.F.R. 450.300 through 450.324, among which is the Transportation Improvement Program (TIP); and

WHEREAS, the River to Sea TPO's adopted TIP is required to be consistent with the Florida Department of Transportation's adopted Five-Year Work Program; and

WHEREAS, the Florida Department of Transportation has provided additional information to the River to Sea TPO regarding the FDOT adopted Five-Year Work Program.

NOW, THEREFORE, BE IT RESOLVED, by the River to Sea TPO that the:

1. River to Sea TPO's FY 2019/20 to FY 2023/24 TIP is hereby amended as shown in Attachment "A" attached hereto and made a part of this resolution; and the
2. Chairperson of the River to Sea TPO (or his/her designee) is hereby authorized and directed to submit the FY 2019/20 to FY 2023/24 TIP as amended to the:
 - a. Florida Department of Transportation;
 - b. Federal Transit Administration (FTA) (through the Florida Department of Transportation);
 - c. Federal Highway Administration (FHWA) (through the Florida Department of Transportation); and the
 - d. Department of Economic Opportunity.

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 22nd day of January 2020.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**DAYTONA BEACH COMMISSIONER ROBERT GILLILAND
CHAIRPERSON, RIVER TO SEA TPO**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certified that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the River to Sea TPO held on January 22, 2020.

ATTEST:

**DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**

4432361

Derbyshire Neighborhood Sidewalks

Non-SIS



Work Summary: SIDEWALK
From: on 3rd Street from Vine Street to Nova Road
To: on Vine Street from Brentwood Drive to 4th Street
Lead Agency: City of Daytona Beach

Phase	Fund Source	2019/20	2020/21	2021/22	2022/23	2023/24	Total
CST	LF	75,448	0	0	0	0	75,448
CEI	SU	102,540	0	0	0	0	102,540
CST	SU	77,447	0	0	0	0	77,447
CST	TALU	374,592	0	0	0	0	374,592
Total		630,027	0	0	0	0	630,027

Prior Cost < 2019/20: 0

Future Cost > 2023/24: 0

Total Project Cost: 630,027

Project Description: Construct sidewalks on 3rd Street from Vine Street to Nova Road and on Vine Street from Brentwood Drive to 4th Street. (Reference 2040 Long Range Transportation Plan, pgs 10-12, 81, and table 31 on pg 72.)

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III. ACTION ITEMS

C. REVIEW AND RECOMMEND APPROVAL OF REVENUES AND TASKS FOR DEVELOPMENT OF THE DRAFT FY 2020/21 AND 2021/22 UNIFIED PLANNING WORK PROGRAM (UPWP) FOR SUBMISSION TO FDOT/FHWA

BACKGROUND INFORMATION:

The TPO's transportation planning activities are funded in large part through federal grants. These federally-funded transportation planning activities must be identified and approved by the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA) and FDOT in advance of each fiscal year. The activities, products and budgeted funds must be documented in the TPO's Unified Planning Work Program (UPWP) which is updated every two years. This update is for the period from July 1, 2020 to June 30, 2022. The UPWP describes the role of the TPO, the focus of its planning efforts, and any special studies that are to be undertaken in that two-year span. The UPWP identifies the types and amounts of planning funds the TPO expects to receive from FHWA, FTA and other sources, and prescribes how those funds will be spent.

The UPWP was developed by TPO staff with input from the UPWP Subcommittee and is being presented for review and approval to submit to FDOT/FHWA. After comments are received from FDOT/FHWA, the UPWP will be reviewed again by TPO staff and committees. The TPO Board is scheduled to adopt the UPWP in May.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF THE DRAFT FY 2020/21 - 2021/22 UNIFIED PLANNING WORK PROGRAM (UPWP) FOR SUBMISSION TO FDOT/FHWA

**RIVER TO SEA TPO
UPWP FY 20/21
First Year
Estimated Expenses**

		FY 20/21 Estimated Salary	FY 20/21 Estimated Fringe 40%	FY 20/21 Estimated Personnel	FY 20/21 Estimated Material	FY 20/21 Estimated Consultant	FY 20/21 Estimated Total
1.01	General Administration & Program Support	\$186,227	\$74,491	\$260,718	\$211,664	\$0	\$472,381
1.02	Information Technology Systems & Website Support	\$5,902	\$2,361	8,262	38,988	0	47,250
1.03	Public Involvement & Community Transportation Survey	\$35,584	\$14,234	49,818	17,750	0	67,568
2.01	Program Development (UPWP)	\$26,300	\$10,520	36,821	0	0	36,821
2.02	Transportation Improvement Program (TIP) Development	\$21,291	\$8,516	29,808	11,400	0	41,208
2.03	Transportation Data Information Management	\$31,915	\$12,766	44,681	0	0	44,681
2.04	State & Regional Planning and Coordination	\$24,024	\$9,609	33,633	5,000	0	38,633
2.05	ITS/Traffic Operations/Safety Project Feasibility Studies	\$7,271	\$2,909	10,180	0	130,149	140,330
2.06	General Planning Studies, Initiatives, Corridor and Project Support	\$64,981	\$25,992	90,974	0	31,033	122,007
2.07	2045 Long Range Transportation Plan (LRTP)	\$14,663	\$5,865	20,528	0	75,265	95,793
2.08	Community Safety-Related Program	\$28,138	\$11,255	39,394	10,500	0	49,894
3.01	Bicycle/Pedestrian Planning & Implementation	\$36,269	\$14,508	50,776	0	0	50,776
3.02	Bicycle/Pedestrian Project Feasibility Studies	\$4,500	\$1,800	6,299	0	126,299	132,598
4.01	Transit Related Activities & TD	\$42,581	\$17,032	59,613	0	49,180	108,793
							0
	Totals	\$529,647	\$211,859	\$741,505	\$295,302	\$411,926	\$1,448,733

PL Deobligation	\$65,000
SU Deobligation	\$108,400
PL 20/21	734,785
FTA 20/21	256,143
TD 20/21	30,474
SU 21/21	230,618
Local/ Other Funds	23,313
	<u>\$1,448,733</u>

Assumed \$30,618 in funding for tasks 2.05, 2.07, & 3.02 would fund staff salaries and benefits ==>

**RIVER TO SEA TPO
UPWP FY 21/22
Second Year
Estimated Expenses**

		FY 21/22 Estimated Salary	FY 21/22 Estimated Fringe 40%	FY 21/22 Estimated Personnel	FY 21/22 Estimated Material	FY 21/22 Estimated Consultant	FY 21/22 Estimated Total
1.01	General Administration & Program Support	\$186,743	\$74,697	\$261,440	\$218,205	\$0	\$479,645
1.02	Information Technology Systems & Website Support	\$7,303	\$2,921	10,225	38,528	0	48,753
1.03	Public Involvement & Community Transportation Survey	\$39,131	\$15,652	54,783	17,750	40,000	112,533
2.01	Program Development (UPWP)	\$47,096	\$18,838	65,934	0	0	65,934
2.02	Transportation Improvement Program (TIP) Development	\$22,600	\$9,040	31,641	11,400	0	43,041
2.03	Transportation Data Information Management	\$32,856	\$13,142	45,998	0	0	45,998
2.04	State & Regional Planning and Coordination	\$21,539	\$8,616	30,155	5,000	0	35,155
2.05	ITS/Traffic Operations/Safety Project Feasibility Studies	\$7,489	\$2,996	10,485	0	110,000	120,485
2.06	General Planning Studies, Initiatives, Corridor and Project Support	\$71,176	\$28,471	99,647	0	40,379	140,026
2.07	2045 Long Range Transportation Plan (LRTP)	\$0	\$0	0	0	0	0
2.08	Community Safety-Related Program	\$25,320	\$10,128	35,448	10,500	0	45,948
3.01	Bicycle/Pedestrian Planning & Implementation	\$37,414	\$14,966	52,380	0	0	52,380
3.02	Bicycle/Pedestrian Project Feasibility Studies	\$4,634	\$1,854	6,488	0	110,000	116,488
4.01	Transit Related Activities & TD	\$42,234	\$16,894	59,128	0	15,158	74,286
							0
	Totals	\$545,536	\$218,214	\$763,750	\$301,383	\$315,537	\$1,380,670

PL Carryforward	\$89,268
SU Deobligation	\$0
PL 20/21	734,785
FTA 20/21	256,143
TD 20/21	30,474
SU 21/21	210,000
Local/ Other Funds	60,000
	<u>\$1,380,670</u>

Includes \$10,000 for staff salaries & benefits for tasks 2.05 & 3.02 =>

Fiscal Year 2020/21 & 2021/22 Unified Planning Work Program (UPWP)

- Activities listed in green represent those required on an annual basis
- Activities listed in orange represent tasks that are infrequent or one-time activities

TASK #	Task Title / Category General Description	1 st Year Deliverables	2 nd Year Deliverables
1.01	General Administration & Program Support	Complete a COOP Exercise /// Host an Annual Planning Retreat Event Develop Annual Operating Budget /// Independent Audit for Financial Compliance Approve Slate of Officers for TPO Board Submit FTA Section 5305(d) & TD Planning Grant applications Contract Management: Transit Consultant (expires June 30, 2021) Postage Meter Lease (expires April 1, 2022); General Planning Consultants (expires June 30, 2022); Audit Firm (June 30, 2021).	
		Continue Facility upgrades Develop a Grant/Funding Resources List	Create a desk procedure/manual of CFO processes.
1.02	Information Technology Systems & Website Support	Procure/Replace Equipment as needed Electronic File Management (maintaining & archiving).	
			Issue Website Support Services RFP/Contract (expires June 30, 2022)
1.03	Public Information	Complete Annual Title VI & LEP Update & Training & Program Review Annual Public Involvement Matrix/Summary Annual Report for previous fiscal year /// Implement the TRAC program	
		Utilize a communication program (Constant Contact) to disseminate information to TPO members and the public	Complete a community transportation survey

2.01	Program Development (UPWP)	Manage Planning Activities, Deliverables & Budget/Process Amendments as needed	
		Conduct a benchmarking review of other UPWPs to identify other potential funding sources & best practices.	Develop/Adopt a new 2-year UPWP
2.02	Transportation Improvement Program (TIP) Development	Issue Annual Call for Projects & Approve R2CTPO List of Prioritized Projects (LOPP)	
		Develop/Adopt a new 5-year TIP/Process Amendments as needed	Conduct a benchmarking review of other TIPs to identify trends, potential funding sources & best practices.
2.03	Transportation Data Information Management	Provide data collection/GIS support to TPO staff and projects as needed (bike map, CSAP, etc.)	
		Continue to Update and Implement TPM Requirements (incorporate student transportation)	
		Monitor changes in programs & funding resulting from TPM	
		Develop CMP/Performance Measures Report	Conduct a benchmarking review of other TPO's to identify data collection & reporting strategies & best practices
2.05	State & Regional Planning and Coordination	Participate in CFMPOA & MPOAC Activities	
		Participate in various regional coordination, studies and planning activities	
		Approve of the Regional List of Project Priorities	
		Participate in the East Central Florida Regional Resilience Collaborative	
			Develop a Regional LRTP
2.06	ITS/Traffic Ops/Safety Project Feasibility Studies	Complete project feasibility studies IAW LOPP	

2.08	General Planning Studies & Project Support	<p>Provide general project development support to TPO member governments.</p> <p>Convene "Transportation Area" working groups to identify and implement short term and long term mobility solutions (TSM&O, Safety, CAV, CMP, etc.).</p> <p>Continue to asses Sea Level Rise Vulnerability for the planning area and implement policies to increase resiliency.</p> <p>Utilize heat maps to track recent crash data to identify hot spot areas)</p> <p>Continued implementation of the complete streets ordinance and evaluation of associated projects.</p>	
		<p>Develop a program to Conduct Before and After Studies for specific projects to analyze their effectiveness (i.e. - Adaptive Signal Control, Safety Improvements, etc.) -- <u>by mode</u></p> <p>Work with local governments to track and implement projects identified in previous studies</p> <p>Continue to monitor and provide input on the proposed LAP policy for District 5 and develop a proposal for a state-federal fund swap.</p>	<p>Implement a Program to Conduct Before and After Studies for specific projects to analyze their effectiveness (i.e. - Adaptive Signal Control, Safety Improvements, etc.) -- <u>by mode</u></p> <p>The relationship between Food Deserts and Transportation</p> <p>Review and analyze crash data and contributing factors; identify crash reduction measures within the TPO Planning Area</p> <p>Update Transportation Impact Analysis (TIA) requirements (technology/transit)</p>
2.09	2045 Long Range Transportation Plan (LRTP)	Complete development of the 2045 LRTP (adoption by September 2020)	
2.10	Community Safety-Related Program	<p>Develop a Community Safety Events Schedule</p> <p>Participate in helmet fitting and safety promotion events throughout the planning area</p>	
		<p>Develop a Speakers' Bureau of people whose lives have been affected by speeding and distracted driving</p> <p>Create targeted print and social media safety campaigns – distributed through the Hotel/Motel Lodging Associations, college and university campuses, etc.</p>	<p>Partner with Volusia & Flagler County Schools to develop an education and awareness campaign/curriculum for safety, speeding and distracted driving in grades K-12</p>

3.01	Bicycle/Pedestrian Planning & Implementation	<p>Manage the Annual Call for Bike/Ped/Trails projects</p> <p>Develop & approve the Bicycle/Pedestrian List of Prioritized Projects.</p> <p>Participate in Local & Regional advisory groups (St. Johns River to Sea Loop Alliance, Coast to Coast Trail Leadership Team, etc.)</p> <p>Implement the Bicycle & Pedestrian Digital Count Program.</p> <p>Complete school safety studies for selected schools in Volusia and Flagler Counties (2-3 schools/year).</p> <p>Support Pedestrian/Bicycle Safety Audits for focus areas.</p>	
		Adopt a Bicycle & Pedestrian Safety Action Plan (B/PSAP) utilizing FHWA BIKESAFE/PEDSAFE programs.	Develop and implement a strategy (short term, medium term and long term) for B/PSAP safety countermeasures, improvements & programs.
3.02	Bicycle/Pedestrian Project Feasibility Studies	Complete project feasibility studies IAW LOPP	
4.01	Transit Related Activities & Transportation Disadvantaged (TD)	<p>Provide staff support to the Volusia TDLCB</p> <p>Attend transit meetings (Volusia/Flagler TDLCB, SunRail TAC & Commission)</p> <p>Coordinate & attend Florida TD Commission's Annual Transportation Disadvantaged Legislative Awareness Day</p> <p>Approve Transit Annual Operating Report (AOR) and Annual Evaluation Report (AER)</p> <p>Complete TDSP Annual Update</p> <p>Participate in transit planning activities as requested by service providers</p>	
		<p>Assist Votran & Flagler County in updating the Transit Development Plan (TDP) and Transportation Disadvantaged Service Plan (TDSP).</p> <p>In partnership with Votran, work with the consulting team to develop East Side Comprehensive Operation Analysis for Volusia County</p>	Conduct a Paratransit Service Analysis

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III. ACTION ITEMS

D. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2020-## UPDATING THE SAFETY PERFORMANCE TARGETS

BACKGROUND INFORMATION:

The Federal Highway Administration (FHWA) issued final rules on the transportation performance measures required for the State Departments of Transportation (DOTs) and Metropolitan/Transportation Planning Organizations (M/TPOs). The final rule requires targets to be set for the following five safety performance measures:

- Number of Fatalities
- Number of Serious Injuries
- Rate of Fatalities per 100 million vehicle miles traveled
- Rate of Serious Injuries per 100 million vehicle miles traveled
- Number of Non-Motorized Fatalities and Serious Injuries

Resolution 2020-## adopts the River to Sea TPO Safety Performance Targets for the year 2020, which is presented in Exhibit "A". TPO staff presented background information and data in January; the 2020 Safety Performance Targets are attached.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2020-## UPDATING THE SAFETY PERFORMANCE TARGETS

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2020-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
ADOPTING TRANSPORTATION SAFETY TARGETS**

WHEREAS, the River to Sea TPO is the duly designated and constituted body responsible for carrying out the urban transportation planning and programming process for Volusia County and portions of Flagler County inclusive of the cities of Flagler Beach, Beverly Beach, and portions of Palm Coast and Bunnell; and

WHEREAS, Florida Statutes 339.175; 23 U.S.C. 134; and 49 U.S.C. 5303 require that the urbanized area, as a condition to the receipt of federal capital or operating assistance, have a continuing, cooperative, and comprehensive transportation planning process that results in plans and programs consistent with the comprehensively planned development of the urbanized area; and

WHEREAS, the FHWA issued a final rule based on section 1203 of the Moving Ahead for Progress in the 21st Century Act (MAP-21) and with consideration to provisions in the Fixing America's Surface Transportation Act (FAST Act), which identified national transportation goals, outlined standards for measuring and reporting safety data and established five safety performance measures; and

WHEREAS, in accordance with 23 C.F.R. 490.209(a), the Florida Department for Transportation (FDOT), as part of the annual development of the State Highway Safety Improvement Plan (HSIP), has developed safety targets for each of the five safety performance measures; and

WHEREAS, 23 C.F.R. 490.209(c), requires that each Metropolitan Planning Organization establish safety targets and report progress over time in reaching the adopted targets; and

WHEREAS, the River to Sea TPO recognizes certain limitations in the availability of data required to develop data sets for the planning area in Flagler County where the planning area boundaries do not align with the county boundaries.

NOW, THEREFORE, BE IT RESOLVED, by the River to Sea TPO that the:

1. River to Sea Transportation Planning Organization supports the intentions of FDOT outlined in the State HSIP for Calendar Year 2020 including a target of zero for each of the safety performance measures and establishing an interim measure for each of the five measures; and
2. River to Sea TPO Board and advisory committees have reviewed and endorsed the safety related transportation performance data and targets as shown in Exhibit A; and the
3. Chairperson of the River to Sea TPO (or his/her designee) is hereby authorized and directed to submit these targets to the:
 - a. Florida Department of Transportation; and
 - b. Federal Transit Administration (FTA) (through the Florida Department of Transportation); and the
 - c. Federal Highway Administration (FHWA) (through the Florida Department of Transportation).

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 22nd day of January 2020.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**DAYTONA BEACH COMMISSIONER ROB GILLILAND
CHAIRPERSON, RIVER TO SEA TPO**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certified that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the River to Sea TPO held on January 22, 2020.

ATTEST:

**DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**

River to Sea Transportation Planning Organization Calendar Year 2020 Targets

Fatalities

Basis for Establishing Target:

This target reflects a two percent annual reduction in the number of fatalities from the year 2018. This sets a target of reducing the annual fatalities to 118 with a resulting five-year rolling average of 131.6 in 2020.

Number: 118
5-Year Rolling Average: 131.6

Serious Injuries

Basis for Establishing Target:

This target reflects a two percent annual reduction in the number of serious injuries from the year 2018. This sets a target of reducing the annual serious injuries to 808 with a five-year rolling average of 814.2 in 2020.

Number: 808
5-Year Rolling Average: 814.2

Fatalities Rate:*

Basis for Establishing Target:

This target reflects a two percent annual reduction in the fatalities rate from the year 2018. This sets a target of reducing the fatality rate to 1.549 with a five-year rolling average of 1.784 in 2020.

Number: 1.549
5-Year Rolling Average: 1.784

*VMT specific to the planning area is not currently available, which includes all of Volusia County and a portion of Flagler County. As such, the fatalities rate was calculated using the data available for the entirety of Volusia and Flagler County, pending the provision of data at the planning area level.

Serious Injuries Rate*

Basis for Establishing Target:

This target reflects a two percent annual reduction in the serious injuries rate from the year 2018. This sets a target of reducing the serious injuries rate to 10.604 with a five-year rolling average of 10.970 in 2020.

Number: 10.604
5-Year Rolling Average: 10.970

*VMT specific to the planning area is not currently available, which includes all of Volusia County and a portion of Flagler County. As such, the fatalities rate was calculated using the data available for the entirety of Volusia and Flagler County, pending the provision of data at the planning area level.

Non-Motorized Serious Injuries and Fatalities

Basis for Establishing Target:

This target reflects a two percent annual reduction in the number of non-motorized serious injuries and fatalities from the year 2018. This sets a target of reducing the non-motorized serious injuries and fatalities to 96 with a five-year rolling average of 103.4 in 2020.

Number: 96
5-Year Rolling Average: 103.4

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III. ACTION ITEMS

E. APPOINTMENT/REAPPOINTMENT OF 2020 BPAC PROJECT REVIEW SUBCOMMITTEE MEMBERS

BACKGROUND INFORMATION:

The BPAC Project Review Subcommittee is responsible for assisting staff in developing the yearly update to the TPO’s Priority Lists of Bicycle/Pedestrian Projects. All subcommittee members are eligible for reappointment. Current BPAC Project Review Subcommittee members are:

	Name	Representing	Last Appointment Date
1	Jason Aufdenberg	Volusia County, At Large-Alt.	February 13, 2019
2	Gayle Belin	Ormond Beach	February 13, 2019
3	Nancy Burgess-Hall (alt.)	Volusia County, District 2	February 13, 2019
4	Larry Coletti	Flagler County	February 13, 2019
5	Patrick McCallister	Volusia County, District 1	February 13, 2019
6	Nic Mostert	New Smyrna Beach	February 13, 2019
7	Roy Walters	Volusia County at Large	February 13, 2019
8	Ted Wendler	DeLand	April 10, 2019

ACTION REQUESTED:

MOTION TO APPOINT/REAPPOINT 2020 BPAC PROJECT REVIEW SUBCOMMITTEE MEMBERS

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III. ACTION ITEMS

F. APPOINTMENT/REAPPOINTMENT OF TRANSPORTATION IMPROVEMENT PROGRAM (TIP) SUBCOMMITTEE MEMBERS

BACKGROUND INFORMATION:

The Transportation Improvement Program (TIP) Subcommittee is responsible for evaluating priority project applications and reviewing the Call for Projects process and selection criteria used to develop the TPO's Lists of Prioritized Projects (LOPP). Each advisory committee (BPAC, CAC and TCC) appoints approximately three members to serve on the TIP Subcommittee, which will meet several times prior to the adoption of the next TIP in June 2019. All subcommittee members are eligible for reappointment. Current TIP Subcommittee members are:

	Name	Advisory Committee	Representing	Last Appointment Date
1	Bobby Ball	CAC	Port Orange	February 19, 2019
2	Gilles Blais	BPAC/CAC	Holly Hill	February 19, 2019
3	Jon Cheney	TCC	Volusia County Traffic Engineering	February 19, 2019
4	Paul Eik	BPAC	Flagler Beach	February 13, 2019
5	Nora Jane Gillespie	CAC	New Smyrna Beach	February 19, 2019
6	Daniel Klasel, Jr.	CAC	Edgewater	February 19, 2019
7	Scott Leisen	BPAC	Deltona	February 13, 2019
8	Elizabeth Lendian	CAC	Volusia County, At Large	February 19, 2019
9	Patricia Lipovsky	CAC	Volusia County, District 2	February 19, 2019
10	Jose Papa	TCC	Palm Coast	February 19, 2019
11	Ron Paradise	TCC	Deltona	February 19, 2019
12	Alan Peterson	CAC	Palm Coast	February 19, 2019
13	Marcia Stevens-Foltz	CAC	Flagler County	February 19, 2019
14	Bob Storke	BPAC/CAC	Orange City	February 19, 2019
15	Roger Strcula	CAC	Ormond Beach	February 19, 2019
16	Brian Walker	TCC	Holly Hill	February 19, 2019

ACTION REQUESTED:

MOTION TO APPOINT/REAPPOINT TRANSPORTATION IMPROVEMENT PROGRAM (TIP) SUBCOMMITTEE MEMBERS

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IV. PRESENTATIONS AND DISCUSSION ITEMS

A. PRESENTATION AND DISCUSSION OF THE DEVELOPMENT OF THE 2045 LONG RANGE TRANSPORTATION PLAN (LRTP)

BACKGROUND INFORMATION:

As part of the development of the 2045 Long Range Transportation Plan, TPO staff will present the following:

- Concept Scenarios – Methodologies for the three alternate scenarios of technology, resiliency, and funding will be presented for discussion.
- Preliminary Needs Assessment – Maps by mode associated with the Preliminary Needs Assessment will be presented for discussion

Supporting documentation will be provided under separate cover.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

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IV. PRESENTATIONS AND DISCUSSION ITEMS

B. PRESENTATION AND DISCUSSION OF 2020 “TELL THE TPO” SURVEY CAMPAIGN

BACKGROUND INFORMATION:

The TPO is currently developing the 2020 “Tell the TPO” Survey Campaign to better understand the priorities and preferences of its constituents as they relate to transportation planning and implementation for our planning area. This survey helps provide insights for the TPO as it makes decisions on transportation priorities. It is intended to be conducted every two years and is a follow-up to the initial 2014 survey which formed a baseline of public opinion on transportation in the area, and the 2016 and 2018 survey. H.W. Lochner, one of the TPO’s general planning consultants, has been retained to facilitate the survey development, dissemination, and analysis. They will be providing an overview of the survey instrument, schedule and scope.

Specific goals of the survey include the following:

- Ascertain the transportation wants, needs, problems, preferences, and suggestions from residents, business community, elected officials, and other stakeholders
- Provide data that the TPO can analyze in order to ascertain trends
- Act as an educational tool and expose each person who takes it to the benefits, mission, and programs of the TPO
- Add to the TPO database of interested residents, businesses, and visitors

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

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IV. PRESENTATIONS AND DISCUSSION ITEMS

- C. PRESENTATION AND DISCUSSION OF RESOLUTION 2020-## AUTHORIZING THE EXECUTION OF A SUPPLEMENTAL AGREEMENT TO THE METROPOLITAN PLANNING ORGANIZATION (MPO) AGREEMENT FOR THE USE OF TRANSPORTATION PLANNING (PL) AND URBAN ATTRIBUTABLE (SU) FUNDS AND AMENDING THE FY 2018/19 AND 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP)**

BACKGROUND INFORMATION:

The TPO requires a supplemental agreement for the use of Planning (PL) and Urban Attributable (SU) funds in the FY 2018/19 - 2019/20 Unified Planning Work Program (UPWP). The fund amounts will be amended in the UPWP.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
FISCAL YEAR (FY) 19/20 UNIFIED PLANNING WORK PROGRAM (UPWP)
FINANCIAL SUMAMRY OF PROPOSED AMENDMENT

UPWP TASK NUMBER	UPWP TASK DESCRIPTION	FY19/20 UPWP AMOUNTS	1	2	3	NEW UPWP AMOUNTS	UPWP TASK NUMBER
			OTHER FUNDS CHANGES	ADDITIONAL FTA/STATE/ LOCAL/TD	PL CHANGES		
1.01	General Administration & Program Support	\$372,185.00	(\$15,228.00)	\$33,058.00		\$390,015.00	1.01
1.02	Information Technology Systems & Website Support	45,080.00				45,080.00	1.02
1.03	Public Involvement	66,235.00				66,235.00	1.03
2.01	Program Development (UPWP)	45,262.00				45,262.00	2.01
2.02	Transportation Improvement Program (TIP) Development	51,317.00				51,317.00	2.02
2.03	Transportation Data Information Management	55,102.00			(7,000.00)	48,102.00	2.03
2.04	Corridor Studies & Project Support	24,505.00				24,505.00	2.04
2.05	State and Regional Planning and Coordination	35,343.00				35,343.00	2.05
2.06	ITS/Traffic Operations/Safety Project Feasibility Studies	114,707.00				114,707.00	2.06
2.07	Community Transportation Survey	52,240.00				52,240.00	2.07
2.08	General Planning Studies and Initiatives	45,031.00			(5,000.00)	40,031.00	2.08
2.09	2045 Long Range Transportation Plan (LRTP)	261,429.00		8,193.00		269,622.00	2.09
2.10	Community Safety-Related Program	33,463.00				33,463.00	2.1
3.01	Bicycle/Pedestrian Planning and Implementation	36,153.00			12,000.00	48,153.00	3.01
3.02	Bicycle/Pedestrian Project Feasibility Studies	107,755.00				107,755.00	3.02
4.01	Transit Related Activities and TD Program	132,172.00		(25,000.00)		107,172.00	4.01
4.02	Transit Planning Services-General Consulting	30,077.00		11,000.00		41,077.00	4.02
	TOTALS	\$1,508,056.00	(\$15,228.00)	\$27,251.00	\$0.00	\$1,520,079.00	

Definition of Funding Sources

FTA means Federal Transit Administration. A portion of FTA funds are matched with State and Local revenues

PL means Federal metropolitan planning funds

TD means Transportation Disadvantage funds which is a type of State Revenue

Local means funds received by member assessments and other non-state of non-federal funds

Notes:

- 1) Other Funds in Task 1.01 were offset with additional FTA funds received
- 2) TPO received \$27,251 in additional funding, which included \$26,282 in FTA funds and \$969 in TD Funds
- 3) Funds were reallocated between tasks due to organizational changes

TASK 1.01 - General Administration and Program Support

Responsible Agency - River to Sea TPO

Total Cost - ~~\$767,791~~ \$785,621

PURPOSE

- ◆ This task supports the overall administration and management of the organization including personnel management, financial operations, general administrative support, meetings and member support. Cost estimates for this task include operational overhead such as office leasing and capital expenditures. Activities completed under this task ensure that the TPO operates in a fiscally sound, organized and efficient manner that supports the 3-C planning efforts.

PREVIOUS WORK

- ◆ Developed and distributed meeting minutes and agendas and meeting support for advisory committees and board.
- ◆ Fiscal management of R2CTPO finances including timely invoicing, accurate record keeping and successful grants management as reflected in successful financial audits.
- ◆ Ongoing provision of administrative support services for planning activities and general administration and management of the R2CTPO.
- ◆ Attendance and participation in professional training opportunities, webinars and professional conferences:
 - Tools the Trade Conference - September 2016
 - FLC 2017 Human Resources and Risk Management Seminar
 - Webinar on Tax Reform - January 2018
 - FL APA Conference - September 2017
 - Records Management Training Webinar
- ◆ Coordination and completion of annual strategic planning retreats and completion of new member orientation meetings. Completed February 2016 and 2017.
- ◆ Ongoing coordination with FDOT, FTA, FHWA and local agencies concerning in the development of compliant documents, the timely completion of agreements and communication of planning needs.
- ◆ Printing of all previous TPO technical reports documents.
- ◆ Annual completion of the budget, legislative positions, and other administrative activities.
- ◆ Establishment of a Continuity of Operations Plan (COOP) and exercises to ensure effectiveness. Completed August 2017.
- ◆ Completed Annual Audits. Completed January 2016 and 2017.

REQUIRED ACTIVITIES

- ◆ Review industry trends, policy directives and legislation; attend training opportunities and conferences; read industry journals and communicate with agencies and organizations to remain familiar with requirements for MPOs/TPOs and achieve the agency's objectives.
- ◆ For accurate and updated accounting of all funds necessary for the TPO process to include invoices for state and federal funds, grant reporting, payroll and time-keeping as needed.
- ◆ Ensure the R2CTPO meets local, state and federal requirements for planning and certification and maintains compliance with provisions of Title 23 and Title 49, U.S.C., as amended by MAP-21 and the FAST Act.
- ◆ Complete compliance audits for FTA Section 5305(d) and FHWA Section 112 funds and ensure financial compliance with planning requirements under Title 23 and Title 49, U.S.C., as amended by MAP-21.
- ◆ Complete the administrative activities necessary for an organization including personnel management, records management, professional development, and training.
- ◆ Provide new member orientations to educate new members of the board and advisory committees about the River to Sea TPO functions and role in the local community and conduct an annual workshop to discuss current issues and the River to Sea TPO's role in addressing them.
- ◆ Track expiration dates, conduct timely reviews and process all amendments and updates to written agreements and legal documents as needed.
- ◆ Retain an attorney to provide professional support services as needed (legal review, HR auditing).
- ◆ Utilize effective personnel management strategies to develop staffing plans and assignments, identify training needs and manage human resources of the organization.
- ◆ Increase efficiency and lower unit costs by hiring general contractor to provide professional services on an as needed basis.

- ◆ Work through the TPO committee process to develop and distribute all reports, meeting minutes, agendas, etc. in an electronic format and when required, print, reproduce, collate, bind, and distribute such documents.
- ◆ Purchase supplies and services necessary to perform the functions and meet the responsibilities of the agency.
- ◆ Periodically review organizational documents such as the COOP and the Employee Handbook to ensure they remain current and that all employees are familiar with procedures.

END PRODUCTS

- ◆ A completed Compliance Audit (with no findings) of all FTA Section 5305(d) and FHWA Section 112 funds to be completed within six months of the ending of the fiscal year. Timeline/anticipated completion date: November 2018 and 2019.
- ◆ Transmittal of completed invoices in a timely manner and 100% approval/acceptance rating by FDOT of invoices/progress reports. Timeline/anticipated completion date: Monthly.
- ◆ Completion of an annual operating budget. Timeline/anticipated completion date: May 2019 and 2020.
- ◆ Printing and distribution of River to Sea TPO committee meeting notices, agenda packets, and meeting minutes in accordance with applicable laws and bylaws. Timeline/anticipated completion date: Monthly.
- ◆ Completion of a planning retreat. Timeline/anticipated completion date: March 2019 and 2020.
- ◆ Completion of employee team building and goal setting activities. Timeline/anticipated completion date: ~~May 2019~~ June 2020.
- ◆ Ongoing communications and support to the R2CTPO and all its efforts. Timeline/anticipated completion date: Ongoing.
- ◆ Accurate and timely records kept according to the General Records Schedule GS1-SL. Timeline/anticipated completion date: Ongoing.
- ◆ Update to the COOP. Timeline/anticipated completion date: March 2019.
- ◆ Update to the River to Sea TPO Purchasing Manual. Timeline/anticipated completion date: ~~January 2020~~ June 2020.
- ◆ Update to the Employee Handbook. Timeline/anticipated completion date: ~~August 2019~~ May 2020.
- ◆ Development of a Policy and Procedures Manual. Timeline/anticipated completion date: ~~June 2019~~ June 2020.
- ◆ Accurate electronic file storage to support the efficiency of the organization. Timeline/anticipated completion date: January 2019.
- ◆ Develop and distribute meeting notices, agenda packets, minutes and other correspondence for the River to Sea TPO Board, TCC, CAC, BPAC and TDLCB. Timeline/anticipated completion date: Ongoing.
- ◆ Develop Annual Legislative Positions for the 2019 and 2020 Sessions for the Florida Legislature. Timeline/anticipated completion date: November 2018 and 2019.

TASK 2.01 - Program Development (UPWP)

Responsible Agency - River to Sea TPO

Total Cost - \$69,488

PURPOSE

- ◆ This task supports the development, maintenance and monitoring of the River to Sea TPO Unified Planning Work Program (UPWP) which outlines the planning activities needed to satisfy state and federal planning requirements. The UPWP ensures that the planning programs and projects advanced by the TPO address all federal planning factors and emphasis areas, allocates planning funds to tasks that support the planning needs and priorities of the planning area, and ensures efficient and effective utilization of planning resources.

PREVIOUS WORK

- ◆ Coordination of subcommittee activities and timely development of the FY 2016/17 and FY 2017/18 UPWP. Completed April 2016.
- ◆ Implementation of planning activities and completion of project deliverables as specified. Ongoing.
- ◆ Timely processing of UPWP amendments. Completed as required.
- ◆ Ongoing review of planning activities and financial resources to ensure adherence to budgets and schedules. Ongoing.
- ◆ Processing of de-obligation requests as needed. Completed: February 2015 and 2017.
- ◆ Coordination of subcommittee activities and timely development of the FY 2018/19 and FY 2019/20 UPWP. Completed April 2018.
- ◆ Successful completion of the annual state certification and a federal certification. Completed the state certification in 2016 and 2017 and a federal certification in 2015.

REQUIRED ACTIVITIES

- ◆ Establish project schedules and procedures for the development of the UPWP.
- ◆ Utilize TPO subcommittees, standing committees, the board, public, and special interest groups to develop the UPWP.
- ◆ Develop the UPWP in an approved and prescribed manner pursuant to existing FHWA, FTA, and FDOT regulations.
- ◆ Prepare and process amendments and complete updates to the UPWP as needed to reflect current finances and planning efforts.
- ◆ Communicate routinely with FDOT, FTA, and FHWA.
- ◆ Develop the new FY 2020/21 and FY 2021/22 Unified Planning Work Program (UPWP), a two-year work program.
- ◆ Monitor the UPWP financial estimates and deliverables to ensure the work program is implemented on schedule and within budget.

END PRODUCTS

- ◆ Maintenance of the current FY 2018/19 and FY 2019/20 UPWP that is compliant with Title 23 and Title 49, U.S.C. as amended by the Fixing America's Surface Transportation (FAST) Act. Timeline/anticipated completion date: Ongoing; amended as needed.
- ◆ Accurate and completed FY 2020/21 and FY 2021/22 Unified Planning Work Program (UPWP). Timeline/anticipated completion date: Adoption in April 2020.
- ◆ Timely completion of deliverables outlined within the UPWP. Timeline/anticipated completion date: Ongoing.
- ◆ [Completion of a Federal Certification Review. Timeline/anticipated completion date: June 2019.](#)
- ◆ [Annual MPO-FDOT Joint Certification Review. Timeline/anticipated completion date: March 2019 and 2020.](#)

TASK 2.03 - Transportation Data Information Management

Responsible Agency - River to Sea TPO

Total Cost - ~~\$105,122~~ \$98,122

PURPOSE

- ◆ Performance based planning requires the accurate collection, analysis and reporting of relevant data. The purpose of this task is to collect, monitor and provide data and analysis to inform the transportation planning and decision-making processes as required under MAP-21 and the FAST Act. TPO staff will provide the support necessary to comply with requirements for establishing targets and implementing transportation system performance measures. Other data information management and database support activities will be completed as part of this task.

PREVIOUS WORK

- ◆ Development of the base year socio-economic and TAZ data for the 2040 LRTP model in coordination with FDOT. Completed March 2015.
- ◆ Annual completion of Congestion Management Plan and Performance Measures Report. Completed October 2016 and 2017.
- ◆ Completed Crash Analysis Report for the R2CTPO planning area. Completed September 2017.
- ◆ Completed Bicycle and Pedestrian Plan maps. Completed December 2017.
- ◆ Review of CFRPM data sets in support of the regional model update. Completed December 2017.
- ◆ Participated in Volusia County GIS day. November 2015 and November 2017.
- ◆ Updated Volusia County Bicycling Map for the Experienced Cyclist. Completed February 2018.
- ◆ Developed data to support the establishment of safety performance targets. Completed January 2018.
- ◆ Identified Pedestrian High Crash Locations. Ongoing.
- ◆ Ongoing support of providing data for various planning studies.
- ◆ Updated Regional Trails Corridor Assessment map. Timeline/anticipated completion date: June 2018.

REQUIRED ACTIVITIES

- ◆ Monitor area travel characteristics and factors affecting travel such as socioeconomic, community and land use data, transportation system data, natural, physical, and human environmental concerns and issues.
- ◆ Coordinate with the Congestion Management Technical Working Group to produce an annual Transportation System Congestion Management/Performance Measure Report to assist transportation decision-makers with a better understanding of transportation-related opportunities and challenges.
- ◆ Provide assistance in data collection and analysis for the long-range transportation plan, biannual transportation survey and the Central Florida Regional Planning Model (CFRPM) network as needed.
- ◆ Acquire and provide data support and data related activities as necessary for performance measurements and monitoring of roadway conditions to identify congestion, delay, and safety issues.
- ◆ Coordinate with local jurisdictions, Volusia and Flagler Counties, Florida Department of Transportation (FDOT) and agencies to ensure consistency of data.
- ◆ Coordinate and communicate policy associated with Transportation Performance Management (TPM).
- ◆ Participation in Statewide Model Task Force.

END PRODUCTS

- ◆ Provision of transportation data in both tabular and map formats as needed and to be used in assisting with public involvement through the use of graphics (maps) and for coordinating efforts with state and local governmental agencies. Timeline/anticipate completion date: Ongoing.
- ◆ Provision of bicycle and pedestrian safety data in support of the pedestrian safety action plan. Timeline/anticipate completion date: July 2018 through June 2020.
- ◆ Incorporation of TPM data and rules into planning documents and adoption of targets as ~~required~~ required under MAP-21 and the FAST Act. Timeline/anticipate completion date: Ongoing.
- ◆ Completion of a Transportation Systems Congestion Management/Performance Measures Report providing information on transportation system performance. Timeline/anticipated completion date: July 2018 through November 2018.
- ◆ Approve Safety TPM Targets. Timeline/anticipated completion date: February 2019 and 2020.

TASK 2.08 - General Planning Studies and Initiatives

Responsible Agency - River to Sea TPO

Total Cost - ~~\$186,490~~ \$181,490

PURPOSE

- ♦ To implement a 3-C planning process, the TPO is required to engage in a variety of transportation planning efforts. This task item is intended to support planning activities that help the TPO evaluate transportation improvement needs and advance projects that address these needs. General planning activities will also support the TPO in meeting established planning factors and planning emphasis areas.

PREVIOUS WORK

- ♦ An update to the Transportation Impact Analysis (TIA) Methodology. Phase I completed in December 2015. Phase II completed in June 2016.
- ♦ Provided direct transportation planning support and technical assistance to small local governments to develop project funding applications and plan for transportation needs. As needed.
- ♦ Worked with East Central Florida Regional Planning Council (ECFRPC), Volusia and Flagler Counties and FDOT for Sea Level Rise Vulnerability Assessment Study. Completed June 2016.
- ♦ Worked with ECFRPC, Volusia County Office of Emergency Management, FDOT and UF Geoplan Center to model impacts of sea level rise with 100-year storm event flooding levels for the Resilient Volusia County Study. Completed September 2017.
- ♦ SR/CR A1A Pedestrian Safety & Mobility Study. Completed June 2016.
- ♦ Completed US 17 Multimodal Corridor Planning Study, Phase 2. Completed August 2016.
- ♦ Convened a working group of traffic engineers and other professionals to develop a strategy for advancing ITS projects that effectively address issues relating to traffic operations and safety. Completed November 2014.
- ♦ Completed TSM&O Master Plan for the R2CTPO's planning area. Phase 1 Completed June 2016 and Phase 2 - Timeline/anticipated completion date: June 2018.
- ♦ Participated in the update of the FDOT District 5 regional ITS architecture (2015).
- ♦ Attendance and participation in professional training opportunities, webinars and professional conferences:
 - Florida Autonomous Vehicle Conference - November 2017
 - ITE TSM&O Conference - November 2017
 - FDOT Complete Street Design Manual - December 2017

REQUIRED ACTIVITIES

- ♦ Utilize a Complete Streets approach to integrate people and place in the planning, design, construction, operation, and maintenance of the transportation network.
- ♦ Pursue planning activities that address the planning emphasis areas including: Rural Transportation Planning, Transportation Performance Measures and Automated-Connected-Electric-Shared Use Vehicles.
- ♦ Pursue planning activities as needed to address the metropolitan planning factors established under the FAST Act.
- ♦ Develop, as needed, scopes of work and requests for proposal for transportation planning activities identified and utilize the TPO standing committees and working groups to evaluate planning needs and develop scopes of service that address the needs.
- ♦ Participate in local planning area meetings, discussions and workshops and coordinate efforts to improve planning tools and support data that guides decision-making.
- ♦ Convene and facilitate "Transportation Corridor" working groups to help identify and describe the challenges and opportunities of the future so that our planning and implementation choices can meet both our short term and long-term needs.
- ♦ Work to achieve critical environmental justice goals and other environmental goals by targeting development to locations that already have infrastructure and offer transportation choices.
- ♦ Examine the land use implications of air quality standards; and, in cooperation with local agencies identify and recommend policies and actions at the local and individual level that would help the region stay in "attainment status".
- ♦ Review and analyze crash data and contributing factors; identify crash reduction measures within the TPO Planning Area.
- ♦ Assess Sea Level Rise Vulnerability for the Flagler County Urbanized Area and adopt policies to increase the resiliency of the transportation network to sea level rise, storm surge and coastal flooding.
- ♦ Work with FHWA and general planning consultant for the Resilience and Durability to Extreme Weather Pilot Program.

- ◆ Work with general planning consultant to review and analyze crash data within the metropolitan planning area (MPA).
- ◆ Ensure that the TPO Board, staff, and subcommittee members are properly informed of TSM&O issues, opportunities, monitor advances in ITS technology and its applications, update the River to Sea TPO's Regional ITS Architecture as needed and utilize a professional consulting services contract to support the TPO in completing needed planning activities.
- ◆ Review and analyze the data on the availability of affordable food options and transportation accessibility in transportation disadvantaged communities.

END PRODUCTS

- ◆ Adoption of Complete Streets Policy and Implementation Plan. Timeline/anticipated completion date: June 2019.
- ◆ ~~Coordination~~ **Coordination** meetings with small/rural governments to provide transportation planning assistance as needed. Timeline/anticipated completion date: Ongoing.
- ◆ Reports, analyses and findings needed for transportation systems improvements. Timeline/anticipated completion date: Ongoing.
- ◆ A report outlining sea level rise vulnerability for the Flagler County Urbanized Area. Timeline/anticipated completion date: June 2019.
- ◆ Adopted resolution supporting Sea Level Scenarios and Planning Horizons. Timeline/anticipated completion date: June 2019.
- ◆ Implement procedures that increase the resiliency of the transportation network to sea level rise, storm surge and coastal flooding into the Priority Project Process. Timeline/anticipated completion date: November 2018.
- ◆ A report to review and analyze crash data and identify crash reduction measures within the TPO Planning Area. Timeline/anticipated completion date: September 2018.
- ◆ Improved coordination and documentation of activities supporting economic development and tourism. Timeline/anticipated completion date: Ongoing.
- ◆ Updates to the River to Sea TPO's Regional ITS Architecture. Timeline/anticipated completion date: As needed.
- ◆ An Automated and Connected Vehicle Planning Study. Timeline/Anticipated Completion: ~~November 2019~~ **June 2020**.
- ◆ A completed review and analysis of prior planning studies and recommendations. Timeline/anticipated completion date: May 2019.
- ◆ Development and promotion of a complete streets ordinance for local governments. Timeline/anticipated completion date: March 2020.
- ◆ ~~The relationship between Food Deserts and Transportation. Timeline/anticipated completion date: June 2020~~

TASK 3.01 - Bicycle/Pedestrian Planning and Implementation

Responsible Agency - River to Sea TPO

Total Cost - ~~\$92,137~~ \$104,137

PURPOSE

- ◆ This task is intended to outline activities associated with the planning and promotion of safe, non-motorized travel options within the planning area. Activities include planning, participation in events that promote walking and bicycling and attendance in conferences, workshops and educational seminars related these types of activities.

PREVIOUS WORK

- ◆ Completed Bicycle/Pedestrian Plan. Completed March 2018.
- ◆ Updated Volusia County Bicycling Map for the Experienced Cyclist. Completed February 2018.
- ◆ Adoption of a Bicycle Suitability Map. Timeline/anticipated completion date: June 2018.
- ◆ Attendance and participation at various workshops and events such as:
 - Florida Greenways and Trails System (FGTS) Plan Workshop - November 2017
 - FDOT Complete Streets Design Manual Workshop - December 2017
 - Florida Planning & Zoning Association Workshop - March 2017
 - Volusia County Trails Summit - June 2017
 - Organized Bicycle and Pedestrian Plan Workshops - May 2017
 - Pedestrian Safety Action Plan Workshop in Volusia County - October 2014
 - St. Johns River to Sea Loop Summit - October 2017
 - St. Johns River to Sea Loop Trail Regional Stakeholder Meeting - August 2017

REQUIRED ACTIVITIES

- ◆ Develop a Bicycle and Pedestrian Digital Count Program.
- ◆ Partner with local health agencies to improve the environment for walking and biking.
- ◆ In partnership with local governments, Volusia and Flagler County Schools, Voltran, FDOT, FDEP Office of Greenways and Trails and the Florida Bicycle Association continue efforts to collect, maintain and update an inventory of the bicycle and pedestrian facilities located within the R2CTPO's planning area.
- ◆ Develop safety countermeasures using FHWA Pedestrian Safety Guide and Countermeasure Selection System (PEDSAFE) and Bicycle Safety Guide and Countermeasure Selection System (BIKESAFE) (contingent on grant funding for engineering support).
- ◆ Refine, as needed, the bicycle and pedestrian funding criteria and identify projects for future funding.
- ◆ Continued coordination with stakeholders (including Space Coast TPO, FDOT, FDEP, Brevard, Flagler, Putnam, St. Johns and Volusia Counties) to develop the St. Johns River to Sea Loop Trail and Coast to Coast Connector Trail.
- ◆ Bicycle/Pedestrian List of Prioritized Projects.
- ◆ Develop a formal process to identify types of projects (spot locations, corridors, targeted areas, entire jurisdictions) for pedestrian and bicycle safety improvements.
- ◆ Conduct Pedestrian/Bicycle Safety Audits for focus areas (contingent on grant funding for engineering support).
- ◆ Develop a mechanism to evaluate results and refine the PSAP.
- ◆ Develop an implementation strategy (short term, medium term and long term) for PSAP safety countermeasures.
- ◆ Participate in St. Johns River to Sea Loop PD&E Study Community Advisory Group.
- ◆ Participate in Coast to Coast Trail Leadership Team.
- ◆ Coordinate with St. Johns River to Sea Loop Alliance.
- ◆ Participate in Step It Up - Action Institute to Increase Walking and Walkability.

END PRODUCTS

- ◆ Completion of a Bicycle and Pedestrian Count report. Timeline/anticipated completion date: June 2019.
- ◆ Adoption of a Bicycle/Pedestrian Safety Action Plan. Timeline/anticipated completion date: June 2020.
- ◆ ~~Completion of school safety studies for selected charter schools in Volusia and Flagler Counties. Timeline/anticipated completion date: June 2020.~~

TASK 4.01 - Transit-Related Activities and TD Program

Responsible Agency - River to Sea TPO

Total Cost - ~~\$249,326~~ \$224,326

PURPOSE

- ♦ The purpose of this task is to provide technical planning assistance for local government and transit agencies to identify transit development priorities, improve regional transit connectivity, and continue to improve coordinated transportation services to meet the mobility needs of the TPO transportation disadvantaged groups.

PREVIOUS WORK

- ♦ Submitted FTA Grant applications for FY 2016/17 - 2017/18.
- ♦ Produced Volusia County's Annual Operation Report (AOR). Completed September 2016 and September 2017.
- ♦ Provided one public hearing annually by the TDLCB. Completed November 2016 and November 2017.
- ♦ Completed an Automated Pedestrian Signals (APS) Action Plan to implement ADA compliance in local development. Completed March 2017.
- ♦ Assisted Votran in updating the Transit Development Service Plan (TDSP). Completed March 2017.
- ♦ Assisted in maintaining Volusia County's bus transit database. Ongoing (upon request).
- ♦ Active involvement in SunRail (commuter rail) development as a member of the Central Florida Commuter Rail Commission Technical Advisory Committee. Ongoing.
- ♦ Active involvement in regional transit studies and community initiatives. Ongoing.
- ♦ Provided grant support and other annual reports updates under FTA and the transit disadvantaged program.
- ♦ Provided Vo-to-go program analysis and reports for Votran. Ongoing.
- ♦ FPTA and Florida TD Commission's annual training conferences. Completed December 2016 and August 2017.
- ♦ Florida TD Commission's Annual Transportation Disadvantaged Legislative Awareness Day. Completed Annually.

REQUIRED ACTIVITIES

- ♦ Provide ongoing staff support to the TDLCB and its subcommittees including meeting coordination, conducting an annual public hearing, ongoing communications and the presentation of transit information as needed.
- ♦ Provide necessary information to the elected officials of participating boards (Votran, MetroPlan, LYNX and etc.).
- ♦ Provide on-going technical and planning staff support to transit activities and programs in Volusia and Flagler Counties.
- ♦ Provide input to local and regional planning studies and actively participate on committees such as the Central Florida Rail Commission TAC.
- ♦ Provide on-going technical and planning staff support to transit activities and programs in Volusia and Flagler Counties.
- ♦ Provide technical transit planning assistance and support to Votran and Flagler County Public Transportation in completing TDPs, evaluating service, conducting operations analysis and other activities as needed to improve transit operations.
- ♦ Provide transit input and assistance in broad planning studies to ensure appropriate representation in transportation planning efforts including the Congestion Management Report, the LRTP, and corridor planning efforts.

END PRODUCTS

- ♦ Provide staff support for the Transportation Disadvantaged Local Coordinating Board. Timeline/anticipated completion date: Ongoing.
- ♦ Produce annual and quarterly reports and required plan updates, including:
 - Volusia County's annual AOR and AER reports. Timeline/anticipated completion date: October 2018 and 2019
 - TDSP annual update reports. Timeline/anticipated completion date: March 2019 and March 2020
 - CTD quarterly program reports. Timeline/anticipated completion date: Ongoing
 - Other plan and report updates as requested. Timeline/anticipated completion date: Ongoing

- ◆ Prepare FTA grant applications and provide grant-review support to state agencies. Timeline/anticipated completion date: Annually.
- ~~◆ Conduct a Paratransit Service Analysis. Timeline/anticipated completion date: November 2019.~~
- ~~◆ Update the transit-related requirements in the adopted Traffic Impact Analysis Guidelines. Timeline/anticipated completion date: June 2020.~~

TASK 4.02 - Transit Planning Services - General Consulting

Responsible Agency - River to Sea TPO

Total Cost - ~~\$81,335~~ \$92,335

PURPOSE

- ◆ Provide general transit planning assistance to public transit providers in support of service planning activities including, but not limited to coordination with local governments, route analysis and data retrieval, service performance reporting, transit research, transit plan development and implementation, and transit infrastructure accessibility consultation for service and facility compliance.

PREVIOUS WORK

- ◆ Completed a Volusia County Bus Stop Improvement Plan (Phase I). June 2018.
- ◆ Completed a Flagler County Fixed Route Bus Service Transit Operation Plan (Implementation Plan). June 2018.

REQUIRED ACTIVITIES

- ◆ Based on local demand, work collaboratively with local governments, communities and transit agencies to develop scopes and bus stop improvement studies for local jurisdictions (Volusia County Bus Stop Improvement Plan – Phase II).
- ◆ In partnership with Votran, work with the consulting team to develop East Side Comprehensive Operation Analysis for Volusia County.
- ◆ Provide on-going technical assistance related to transit planning activities.

END PRODUCTS

- ◆ ~~Local Bus Stop Improvement Plans and Phase II of Volusia County Bus Stop Improvement Plan. Timeline/anticipated completion date: June 2020.~~
- ◆ Volusia County Fixed Route Bus Service East Side Comprehensive Operation Analysis. Timeline/anticipated completion date: June 2020.
- ◆ Technical and planning assistance and/or reports as requested by the task orders issued. Timeline/anticipated completion date: Ongoing.

**SUMMARY SHEET
BPAC
FEBRUARY 12, 2020**

IV. PRESENTATIONS AND DISCUSSION ITEMS

D. PRESENTATION AND DISCUSSION OF RESOLUTION 2020-## AUTHORIZING THE DE-OBLIGATION OF TRANSPORTATION PLANNING (PL) AND URBAN ATTRIBUTABLE (SU) FUNDS FOR THE CURRENT FEDERAL FISCAL YEAR

BACKGROUND INFORMATION:

The de-obligation of planning funds releases federal funds previously authorized but not expended by the TPO. Funds de-obligated in the second year of a two-year UPWP are made available for the first year of the new UPWP. TPO staff reviewed the allocation of funding levels for each of the ongoing tasks and projects and anticipated expenditures to the end of the current fiscal year. Based on this projection, staff requests that the TPO de-obligate unexpended Planning (PL) and Urban Attributable (SU) funds used for planning in the existing UPWP so that these funds are available to support activities in the new UPWP and are able to be accessed in a timely manner.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
FY 19/20 UNIFIED PLANNING WORK PROGRAM (UPWP)
PLANNING FUNDS (PL) & URBAN ATTRIBUTABLE (SU)
DE-OBLIGATION OF FUNDS

UPWP TASK NUMBER	UPWP TASK DESCRIPTION	TOTAL FEDERAL PL & SU FUNDS AUTHORIZED	AMOUNT OF CHANGE PL	AMOUNT OF CHANGE SU	NEW DE-OBLIGATED AMOUNT	UPWP TASK NUMBER
1.01	General Administration & Program Support	\$294,459.00			\$294,459.00	1.01
1.02	Information Technology Systems & Website Support	34,680.00			\$34,680.00	1.02
1.03	Public Involvement	55,635.00	(11,000.00)		\$44,635.00	1.03
2.01	Program Development (UPWP)	33,562.00			\$33,562.00	2.01
2.02	Transportation Improvement Program (TIP) Development	45,117.00	(11,300.00)		\$33,817.00	2.02
2.03	Transportation Data Information Management	45,502.00			\$45,502.00	2.03
2.04	Corridor Studies & Project Support	24,005.00	(15,000.00)		\$9,005.00	2.04
2.05	State and Regional Planning and Coordination	29,843.00			\$29,843.00	2.05
2.06	ITS/Traffic Operations/Safety Project Feasibility Studies	114,707.00	(10,000.00)	(18,318.00)	\$86,389.00	2.06
2.07	Community Transportation Survey	12,240.00			\$12,240.00	2.07
2.08	General Planning Studies and Initiatives	38,631.00			\$38,631.00	2.08
2.09	2045 Long Range Transportation Plan (LRTP)	261,429.00	(17,700.00)	(75,265.00)	\$168,464.00	2.09
2.10	Community Safety-Related Program	33,463.00			\$33,463.00	2.1
3.01	Bicycle/Pedestrian Planning and Implementation	36,153.00			\$36,153.00	3.01
3.02	Bicycle/Pedestrian Project Feasibility Studies	107,755.00		(14,817.00)	\$92,938.00	3.02
4.01	Transit Related Activities and TD Program	0.00			\$0.00	4.01
4.02	Transit Planning Services-General Consulting	0.00			\$0.00	4.02
	TOTALS	\$1,167,181.00	(\$65,000.00)	(\$108,400.00)	\$993,781.00	

**SUMMARY SHEET
BPAC
FEBRUARY 12, 2020**

IV. PRESENTATIONS AND DISCUSSION ITEMS

E. PRESENTATION AND DISCUSSION OF SEA LEVEL RISE PLANNING HORIZONS AND PROJECTIONS

BACKGROUND INFORMATION:

With the passage of the FAST Act, resilience (and planning for sea level rise) was introduced as a federal planning factor: “Improve the resilience and reliability of the transportation system and mitigate stormwater impacts of surface transportation.” Resilience is defined as the ability to adapt to changing conditions and prepare for, withstand, and recover from disruption.

Resilience is also a Florida Planning Emphasis Area for 2020. The FDOT Office of Policy Planning develops Planning Emphasis Areas on a two-year cycle in coordination with the development of Metropolitan Planning Organizations’ respective unified planning work programs (UPWPs). Emphasis areas set planning priorities, support the Florida Transportation Plan, and give importance to topic areas which MPOs are encouraged to address as they develop their planning programs.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

Sea Level Rise Planning Horizons and Projections

BPAC Meeting
February , 2020



Planning for Sea Level Rise

Conditions resulting from climate change have included higher temperatures, increased precipitation and/or severe drought, and an overall rise in sea level worldwide.

Florida is on the front lines of sea level rise & coastal inundation exposure:

- Nation's second-most extensive coastline (1,350 miles)
- Many highly developed coastal areas
- Many low-lying areas already subject to recurring tidal flooding



Collaboration

To build resiliency against flooding and sea level rise, the River to Sea TPO partnered with the following agencies to assess impacts:

- East Central Florida Regional Planning Council
- Flagler County
- Florida Dept. of Environmental Protection
- Florida Dept. of Transportation
- Northeast Florida Regional Council
- University of Florida GeoPlan Center
- Volusia County



**NORTHEAST FLORIDA
REGIONAL COUNCIL**



Resiliency Directives

- FAST Act: expands the focus on the resiliency of the transportation system and requires strategies to reduce the vulnerability of existing transportation infrastructure to natural disasters [23 U.S.C. 134(d)(3)& (i)(2)(G)]
- Florida Statutes, Section 163.3178 includes sea level rise as one of the causes of flood risk that must be addressed in “redevelopment principles, strategies, and engineering solutions” to reduce flood risk

Strategic Approaches

- Retreat - limits and discourages development in vulnerable areas and plans for relocation or removing existing structures
- Accommodation - continues development but requires new standards and regulations
- Protection - strategies that protect people, infrastructure and property from sea level rise impacts often implemented through engineering solutions

GOAL

Increase the ability of local and regional stakeholders to implement resiliency and climate adaptation strategies across disciplines.

Coastal Flooding/Surge Modeling Methods

Coastal Flood Hazards Model

- Utilizes FEMA's methodology for developing Flood Insurance Rate Maps, where flood frequency and flood magnitude (or depth) are used to define flood hazard
- Relies on the 100-year Stillwater elevation and Stillwater depth to identify inland impacts of storm surge



Coastal Surge Model

- Couples storm surge and wave modeling functionality
- Develops an overall estimate of combined coastal wind and flood losses for a single hurricane event

Sea Level Rise Impacts



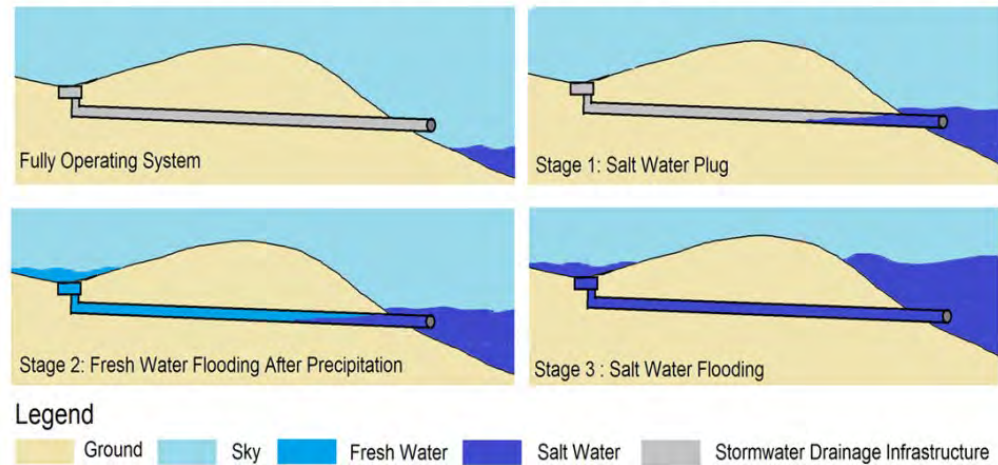
Areas of Assessment

- Designated Evacuation Routes
- Major Roadway Network
- Transportation Facilities
- Parcel Infrastructure/Land Uses
- Public Works Facilities
- Fleet Storage Facilities
- Shelters
- Emergency Management Centers
- Sidewalks and Trails
- Other Critical Facilities

Sea Level Rise Impacts to Stormwater Systems

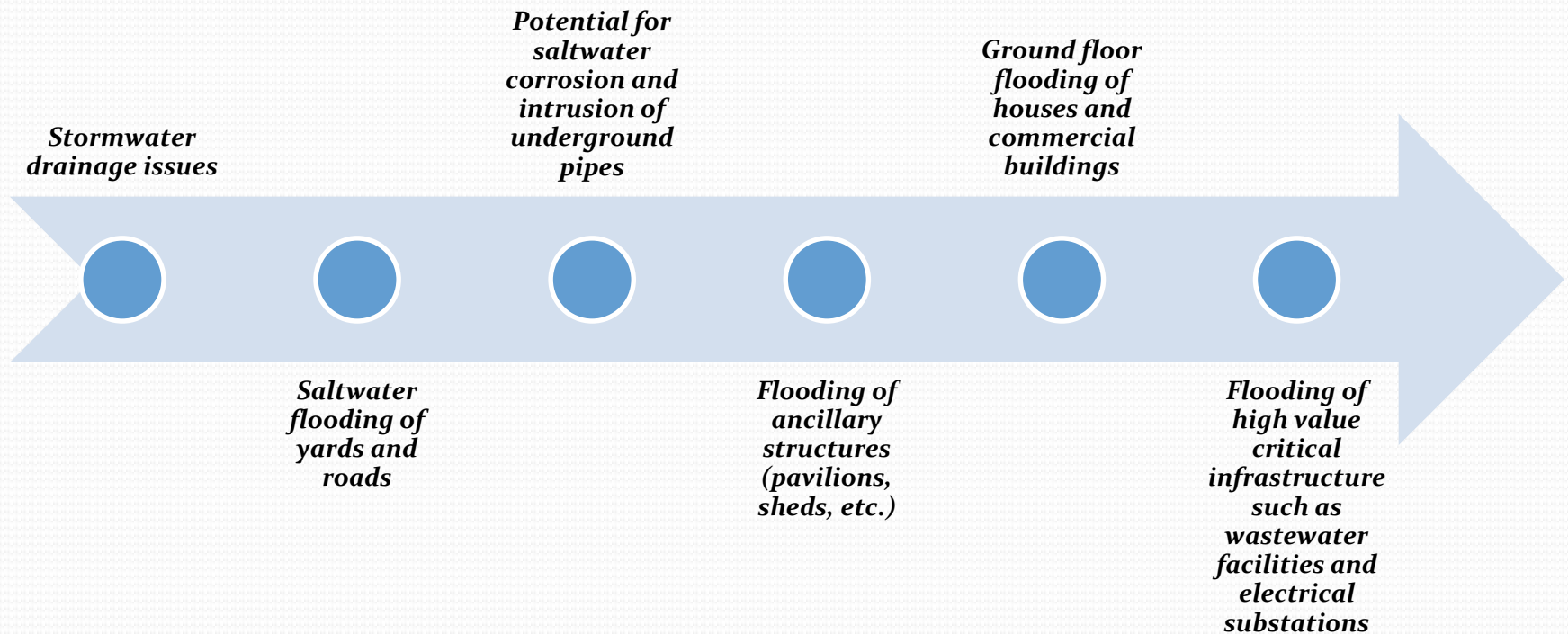
- Increased flooding of transportation infrastructure (tidal and heavy rainfall)
 - Loss of roadway capacity
 - Loss of evacuation routes
 - Degradation of infrastructure
 - Loss of utilization/access to facilities
- Compromised stormwater systems
 - Limited stormwater storage (ponds and groundwater)
 - Malfunctioning canals and drainage

Figure 1: Stages of Stormwater Infrastructure Failure due to Sea Level Rise



Planning and solutions take time!

General Timeline of Sea Level Rise Impacts on the Built Environment



Financial Exposure

Assessed Value Exposure of Flooding By Scenario



This table includes all parcels, built and unimproved

Implementation: Policies and Procedures

Incorporate Policies and procedures for addressing SLR and future flooding into 2045 LRTP and other plans

Adopt a planning horizon and projection rate curve for the 2045 LRTP

Ensure policies, procedures and plans of TPO and County/City Transportation are in line with federal agencies' resiliency requirements to receive funding

Collaborate with local and regional stakeholders to implement resiliency strategies

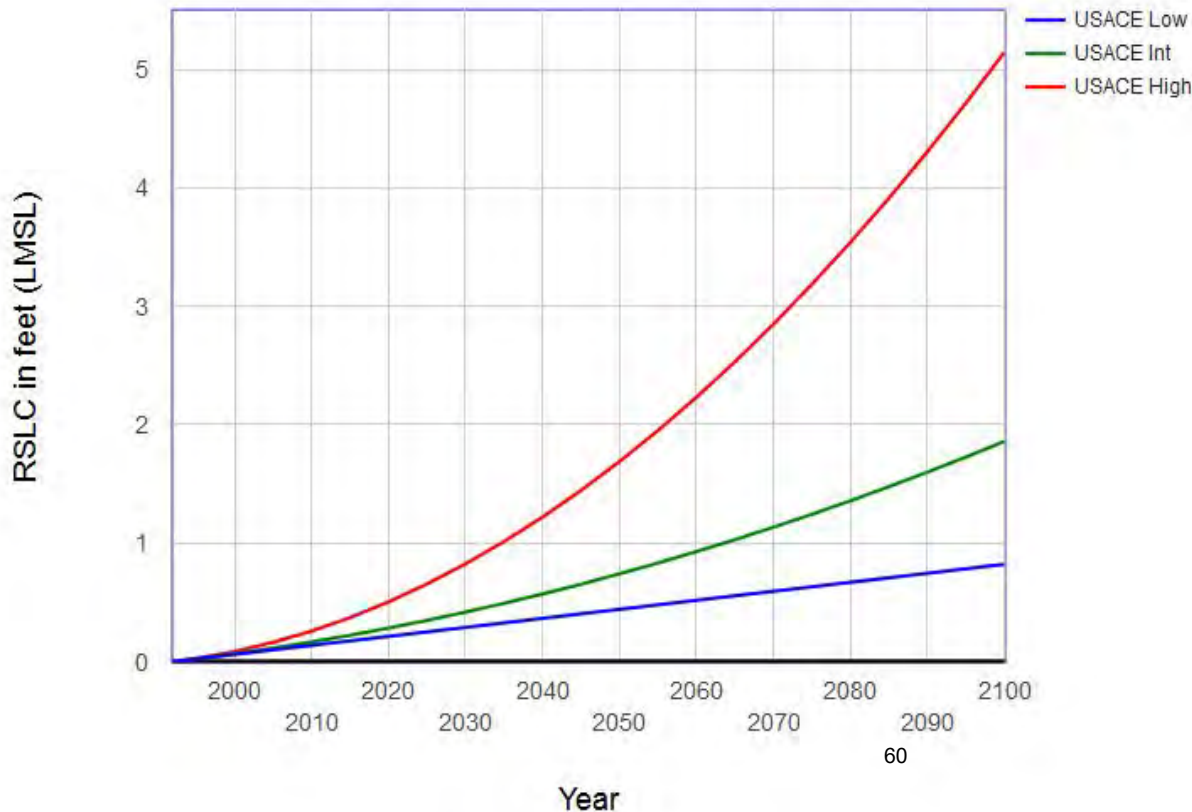
Planning Horizons

- Resilient Volusia County and Resilient Flagler County Assessments were based on Sea Level Rise Planning Horizons (parameters) of 2040, 2070, and 2100
- The River to Sea TPO is focusing on the 2040 Planning Horizon to align with the 2045 Long Range Transportation Plan (LRTP), which also addresses future transportation needs for a 20 year period

Sea Level Rise Projections

8721120, Daytona Beach Shores, FL
NOAA's Published Rate: 0.00761 feet/yr

Relative Sea Level Change Projections - Gauge: 8721120, Daytona Beach Shores, FL (05/01/2014)



USACE SLR Projections
Feet of RSLR (relative to MSL)
Daytona Beach Shores, FL

	Low	Intermediate	High
2040	0.37 ft	0.57 ft	1.22 ft
2070	0.59 ft	1.14 ft	2.85 ft
2100	0.82 ft	1.86 ft	5.15 ft

Next Steps

- Adopt Sea Level Rise Planning Horizon and Projection Rate Curve in March 2020
- Incorporate in 2045 Long Range Transportation Plan (LRTP)

Florida Planning Emphasis Areas-2020

The Florida Department of Transportation Office of Policy Planning develops *Planning Emphasis Areas* on a two-year cycle in coordination with the development of Metropolitan Planning Organizations' respective unified planning work programs. Emphasis areas set planning priorities, support the Florida Transportation Plan, and give importance to topic areas which MPOs are encouraged to address as they develop their planning programs. Implementation of the seven goals of the Florida Transportation Plan requires embracing innovation; extensive collaboration across jurisdictions, modes and disciplines; an emphasis on customer service; data and performance feedback; and strategic investments for the efficient and effective allocation of resources.

Metropolitan Planning Organizations should consider the following four topics when updating their Unified Planning Work Plan.

Safety

Safety has been a federal planning priority over numerous iterations of the transportation legislation. As stated within the FAST Act planning factors, metropolitan areas should "increase safety for motorized and non-motorized users." The state of Florida has expanded on this concept further by becoming a Vision Zero area, with a stated goal within the Florida Transportation Plan of zero fatalities across the state's transportation system. FDOT adopted their Strategic Highway Safety Plan in 2016, which provides more information about how the state intends to address transportation safety in the coming years.

Since the MPOs are being asked to report on and monitor their progress against their adopted safety performance measures, MPOs need to account in their UPWP for the effort necessary to satisfy these federal requirements. Additionally, MPOs are encouraged to consider how to expand upon the level of analysis and reporting required by the performance measurement process to further study their unique safety challenges. This approach may include the identification of safety needs in the MPO's LRTP or TIP, stand-alone safety studies for areas or corridors, or safety considerations within modal planning elements.

System Connectivity

Connectivity is a concept that is emphasized both at the federal and state levels. Within the FAST Act, one of the ten planning factors states, "enhance the integration and connectivity of the transportation system, across and between modes, for people and freight." Within the Florida Transportation Plan, system connectivity is addressed within four different goals.

- Make our economy more competitive
- Increase opportunities for access to transit and other modes

- Provide a more efficient and mobile transportation system
- Meet the needs of a growing and changing population

A connected system is often more cost-effective and better able to address natural and manmade constraints.

For MPOs, system connectivity should be considered within several contexts. First, MPOs should emphasize connectivity within their boundaries to serve the unique needs of their urban and non-urban jurisdictions. This requires coordination with member jurisdictions to identify their connectivity needs while also understanding how current and future land uses impact or can help augment connectivity. Second, MPOs should consider connectivity beyond their boundaries and emphasize continuity on those facilities that link their MPO to other metropolitan and non-urban or rural areas. Third, connectivity for MPOs should include multimodal linkages that are supportive of both passengers and freight. A connected network supports users traveling by a variety of modes, including first and last mile linkages.

Resilience

With the passage of the FAST Act, resilience was introduced as a federal planning factor: “Improve the resilience and reliability of the transportation system and mitigate stormwater impacts of surface transportation.” Resilience is defined as the ability to adapt to changing conditions and prepare for, withstand, and recover from disruption. These conditions can encompass a wide variety of environmental, technological, economic, or social impacts.

MPOs can address resilience within their planning processes by leveraging tools such as the FHWA Resilience and Transportation Planning guide and the FDOT Quick Guide: Incorporating Resilience in the MPO LRTP. It should be noted that while these documents focus primarily on the development of MPO LRTPs and TIPs, addressing resilience should be a consideration within every planning document prepared by an MPO. MPOs should place a particular emphasis on coordination with agency partners responsible for natural disaster risk reduction, or who may be developing local resilience planning initiatives. Additionally, MPOs should consider the additional costs associated with reducing vulnerability of the existing transportation infrastructure. Proactive resiliency planning will help the MPO develop planning documents that are ultimately more realistic and cost-effective.

ACES (Automated/Connected/Electric/Shared-use) Vehicles

According to the Federal Highway Administration, “Transportation is in the midst of disruptive change from new technologies (automated and connected vehicles); new institutions (shared mobility firms); and changing attitudes (reduced car ownership). Across the nation, transportation planners are under pressure to develop performance-oriented policies, plans, and investment decisions that consider an increasingly complex transportation landscape. In the process, planners need to consider, but cannot yet reliably predict, the potential impact of



disruptive and transformational Connected Vehicle (CV) and Automated Vehicle (AV) technologies on safety, vehicle ownership, road capacity, VMT, land-use, roadway design, future investment demands, and economic development, among others. While some forms of CV and AV are already being deployed across the United States, significant unknowns exist regarding the rate of technology adoption, which types of technologies will prevail in the marketplace, the interaction between CV/AV vehicles and various forms of shared mobility services, and the impacts of interim and widespread levels of CV/AV usage.”

Adopting and supporting innovative technologies and business practices supports all seven goals of the Florida Transportation Plan and the federal planning factors found in the FAST Act. ACES may lead to great improvements in safety, transportation choices, and quality of life for Floridians, our visitors, and the Florida economy. Though there is a great deal of speculation and uncertainty of the potential impacts these technologies will have, MPOs need to determine how best to address the challenges and opportunities presented to them by ACES vehicles.

Contact Information:

Mark Reichert, FDOT Administrator for Metropolitan Planning

850-414-4901

mark.reichert@dot.state.fl.us

**SUMMARY SHEET
BPAC
FEBRUARY 12, 2020**

V. STAFF COMMENTS

→ 2020 Priority Process Schedule

VI. INFORMATION ITEMS

- BPAC Attendance Record
- January 2020 TPO Outreach & Activities
- TPO Board Meeting Report
- 2045 LRTP Subcommittee Report
- 2045 LRTP Survey

VII. BPAC MEMBER COMMENTS

VIII. ADJOURNMENT

BPAC Attendance Record 2020

Name	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Notes
Holly Ryan/Doug Hall	x												Daytona Beach (appt. 3/12) (alt. appt. 02/14)
Joan Sandler	x												DeBary (appt 4/19)
Ted Wendler	x												DeLand (appt. 05/11)
Scott Leisen	abs												Deltona (appt. 12/12)
Paul Eik (19/20 Chairman)	x												Flagler Beach (appt. 7/14) (alt appt 9/18)
Larry Coletti (19/20 Vice Chairman)	x												Flagler County (appt 2/16)
Ned Wolfarth	x												Holly Hill (appt 9/19)
Nic Mostert	x												New Smyrna Beach (appt. 03/15)
Bob Storke	x												Orange City (appt. 12/07)
Gayle Belin	x												Ormond Beach (appt. 01/15 - 07/16)
Danielle Anderson/Andrew Dodzik	x												Palm Coast (Appt. 02/16) (Alt appt 9/19)
Jeff Martindale	abs												Port Orange (Appt 2/19)
Christy Gillis	x												South Daytona (appt. 01/16)
Roy Walters/Jason Aufdenberg	x												Volusia County At-Large (appt. 03/05) (alt. appt 07/12)
Patrick McCallister	x												Volusia County D-1 (appt. 10/16)
Nancy Burgess-Hall/Chris Daun	xx												Volusia County D-2 (app 2/14) (alt. appt 3/18)
Wendy Hickey (non-voting)	x												Flagler County (appt. 12/15)
Gwen Perney (non-voting)	x												Large City - Port Orange
John Cotton/Edie Biro (non-voting)	abs												Votran (appt. 07/13)(alt. appt. 02/16)
Melissa Winsett/Terri Bergeron (non-voting)	x												Volusia County (02/14) (alt. Appt. 09/16)
Rob Brinson/Eric Kozielski (non-voting)	abs												Volusia County School Board (appt. 01/16)
Stephanie Moss (non-voting)	x												FDOT (appt 11/19)
QUORUM	Y												

Vacancies

Beverly Beach
 Bunnell
 Daytona Beach Shores
 DeBary
 Edgewater
 Flagler County School Board
 Flagler County Transit
 Lake Helen
 Oak Hill
 Pierson
 Ponce Inlet
 Volusia County Chair
 Volusia County D-3

CODES

X = Present
 exc = Excused
 abs = Absent (Unexcused)

2020 Priority Project Process Schedule

January						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Issue Call for Projects/"Notice of Funding Availability"
(11 weeks long)

February						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

TCC Meeting/Priority Project Process Workshop

March						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Application Deadline (2:00 p.m.)
Project sponsors submit updated cost estimates for projects currently on the List of Prioritized Projects.

April						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

TIP Subcommittee and BPAC Subcommittee meet separately to score/rank applications.

TIP Subcommittee and BPAC Subcommittee meet separately to complete application scoring/ranking.

May						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

BPAC reviews preliminary rankings

CAC/TCC review preliminary rankings; 30-day legal notice for adoption hearing

TPO Board reviews recommended preliminary rankings

30-day public notice/invitation to comment (post in area newspapers and on TPO website);

June						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

BPAC reviews/recommends rankings

CAC/TCC review/recommend rankings

TPO Board reviews/approves final rankings



**River to Sea TPO Board
Meeting Summary
January 22, 2020**

- Received public comment regarding new bus service to the Tanger Outlet area just approved by the Volusia County Council
- Approved the Consent Agenda including approval of: November 27, 2019 meeting minutes; the CFMPOA report; expenditure for the Tell the TPO survey (\$39,971.74); draft policy for dues and membership; and draft policy for telecommuting and working remotely with modification to add “Effective” dates to draft policies
- Approved Resolution 2020-01 supporting Alternative 3 (Partial Cloverleaf #2) of the I-95 and Pioneer Trail Project Development and Environment (PD&E) study
- Received a presentation and discussed planning projects under consideration for the two-year fiscal year (FY) 2020/21 and 2021/22 Unified Planning Work Program (UPWP)
- Received a presentation regarding development of the 2045 Long Range Transportation Plan (LRTP) revenue forecasts
- Received a PowerPoint presentation from Federal Highway Administration (FHWA) staff of the River to Sea TPO’s Federal Certification Review
- Received a PowerPoint presentation of updated safety data and targets
- The FDOT report was provided and staff announced a public meeting regarding drainage improvements on Woodland Boulevard at the Sanborn Center in DeLand on February 4, 2020 from 5:00 pm to 7:00 pm; and a public meeting regarding improvements to International Speedway Boulevard and SR A1A on March 31, 2020 at the Midtown Cultural and Educational Center Gymnasium from 5:30 pm to 7:30 pm
- Received the Executive Director’s report including an update on the SU funding/Work Program and project cost increases (FDOT two-day response); the FDOT D-5 proposed Local Agency Program (LAP) policy; announced the 2020 annual Call for Projects is now open through the end of March; announced INFRA Grant opportunity; and reviewed transportation bills being considered by the state legislature

The next River to Sea TPO Board meeting will be on Wednesday, February 26, 2020



**2045 Long Range Transportation Plan (LRTP) Subcommittee
Meeting Summary
January 21, 2020**

- Received presentation and discussed the Draft Connect 2045 Revenue Forecast
- Received presentation and discussed the methodologies for the Technology, Resiliency, and Funding Scenario Concepts
- Received presentation on the Public Involvement Update
- Discussed upcoming workshopss and Connect 2045 Next Steps

*****The next 2045 LRTP Subcommittee meeting will be February 18, 2020*****



FOR IMMEDIATE RELEASE

Contact: Pamela Blankenship
Phone: 386-226-0422 ext. 20416
Email: pblankenship@r2ctpo.org
Website: www.r2ctpo.org
2045 LRTP Website: www.R2CTPOConnect2045.com

**RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION (TPO)
ANNOUNCES RELEASE OF ITS "CONNECT 2045" SURVEY**

DAYTONA BEACH, FL – Connect 2045 is the new long-range plan being developed to guide the transportation future of the River to Sea TPO planning area. The 2045 LRTP is the primary plan for federal and state highway expenditures in the TPO planning area which includes Volusia County and the developed areas of eastern Flagler County, including Beverly Beach and Flagler Beach, as well as portions of the cities of Palm Coast and Bunnell. When complete, this plan will allocate roughly \$1.8 billion dollars to local transportation projects and programs.

As part of the development of this plan, the TPO is requesting the public's input in creating a cohesive and comprehensive long-range transportation plan for our community. We are asking citizens to take a few minutes of their time to give us their thoughts on transportation funding, resiliency and technology through a short survey. The survey will be available through **March 27, 2020** at:

www.SurveyMonkey.com/r/9xsn3s7

Additional information about Connect 2045, Your Community Transportation Plan, can be found at: www.r2ctpoconnect2045.com. This website provides project specific information to inform and engage the community throughout the development of the 2045 LRTP and includes information on upcoming meetings, workshops, and documents associated with the 2045 LRTP, as well as providing a means for comment and input to be provided directly to the River to Sea TPO.

About the River to Sea TPO: The River to Sea TPO is the duly designated and constituted body responsible for carrying out the urban transportation planning and programming process for designated Metropolitan Planning Area (MPA). The TPO's metropolitan planning area includes all of Volusia County and the developed areas of eastern Flagler County, including Beverly Beach and Flagler Beach, as well as portions of the cities of Palm Coast and Bunnell.

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For additional information or media inquiries, contact Pamela Blankenship, River to Sea TPO Community Outreach Coordinator, at PBlankenship@r2ctpo.org or 386-226-0422 ext. 20416.

January 2020 TPO Outreach & Activities

1 Connect 2045 Long Range Transportation Plan (LRTP) Focus Groups

Date: Tuesday, January 7, 2020

Location: Deltona, Daytona State College

Date: Thursday, January 9, 2020

Location: Daytona Beach, Daytona State College

Date: Monday, January 13, 2020

Location: New Smyrna Beach, Brannon Center

Date: Wednesday, January 15, 2020

Location: Palm Coast, Daytona State College

Date: Thursday, January 16, 2020

Location: DeLand, Sanborn Center

Description: TPO staff held five focus group sessions to discuss the roles that technology, resiliency and funding choices play in the development of our transportation system

2 Food Brings Hope Bicycle Helmet Fitting

Date: Tuesday, January 21, 2020

Location: Turie T. Small Elementary School, Daytona Beach

Description: TPO staff partnered with Food Brings Hope to fit and donate helmets to students at Turie T. Small Elementary School



3 Holly Hill City Commission Workshop

Date: Tuesday, January 28, 2020

Location: Holly Hill

Description: TPO staff participated in a discussion about the LPGA widening, the TPO process and project development

4 Connect 2045 Survey Released

Date: Tuesday, January 28, 2020

Description: The TPO released its Connect 2045 Long Range Transportation Plan (LRTP) Survey which is available at the following link: <https://www.surveymonkey.com/r/9xsn3s7>
The survey runs through March 27, 2020

5 MPO Advisory Council (MPOAC) Meeting

Date: Thursday, January 30, 2020

Location: Orlando

Description: TPO staff attended the MPOAC Meeting, at which Lois Bollenback, TPO Executive Director, was elected Chairperson of the organization



Food Brings Hope Helmet Fitting



January 2020 TPO Outreach & Activities

FEBRUARY EVENTS:

- 7: Volusia County's Integrating Future Storm Surge into Emergency Management Planning Workshop, VC Emergency Operations Center
- 11: Transportation Disadvantaged Legislative Awareness Day, Tallahassee
- 19: How Did We Grow Meeting, Orlando
- 20: Conklin Center for the Blind Board Meeting, Daytona Beach
- 25: Conklin Center for the Blind Open House, Daytona Beach

TPO Emerging Technology Stakeholder Meetings (TPO Office):

Thursday, February 13, 2020

Wednesday, February 19, 2020

Tuesday, February 25, 2020

OTHER UPCOMING EVENTS:

- Mar 26: River to Sea TPO Annual Retreat held in partnership with VCARD, Location TBD
- Mar 31: East International Speedway Blvd. (ISB) Open House, Daytona Beach

ONGOING PROJECTS & STUDIES:

- Central Florida Regional Planning Model Update
- Development of FY 2018/19 Annual Report
- Development of 2045 LRTP (Public Workshops, Video Dev., Community Presentations & Survey)
- Development of FY 2020/21 and 2021/22 Unified Planning Work Program (UPWP)
- Amendment to the FY 18/19 and 19/20 UPWP
- Update of the Congestion Management Process
- Regional Resiliency Action Plan Implementation
- Connected/Automated Vehicle Readiness Study
- Washington Ave RR Crossing Feasibility Study
- SR 44 Trail Feasibility Study (FS)
- Clyde Morris Blvd Right Turn Lanes FS
- Williamson Blvd/Willow Run Blvd Sidewalk FS
- Dunlawton Ave Left Turn Lane Extension FS
- Taylor Rd/Williamson Blvd Intersection and Dunlawton Ave Corridor @ I-95 FS
- 2020 Tell the TPO Survey Development
- Annual TPO Retreat Planning
- 2020 TPO Annual Call for Projects



2045 Long Range Transportation Plan Updates

- 2045 LRTP Subcommittee meets on the 3rd Tuesday of every month at 11:30 a.m. The next meeting is scheduled for Tuesday, February 18, 2020 at the TPO office.
- 2045 LRTP website has been launched: www.R2CTPOConnect2045.com
- Connect 2045 Survey available at: <https://www.surveymonkey.com/r/9xsn3s7>
- Connect 2045 Video available at: <https://youtu.be/8s0NX9x-f9M>
- Coming Soon:
 - Public Workshops
 - Community Group Presentations